

February 28, 2023

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

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

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

Dear Mr. Seuffert:

Otter Tail Power Company (Otter Tail) hereby submits to the Minnesota Public Utilities Commission (Commission) its 2021 True-Up of Energy Adjustment rates in response to decisions rendered by the Commission in Docket No. E999/CI-03-802 and where applicable, in compliance with annual reporting requirements pursuant to Minn. R. 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges.

Various portions and attachments to this filing contain information that Otter Tail considers trade secret. Otter Tail believes this filing comports with the Commission's Notice relating to Revised Procedures for Handling Trade Secret and Privileged Data, pursuant to Minn. R. 7829.0500. As required by the revised procedures, a statement providing the justification for excising the trade secret data follows this letter.

If you have any questions regarding this filing, please contact me at 218-739-8279 or at <u>stommerdahl@otpco.com</u>.

Sincerely,

/s/ STUART TOMMERDAHL Stuart Tommerdahl Manager, Regulatory Economics

vjm Enclosures By electronic filing c: Service List

An Equal Opportunity Employer

AN OTTERTAIL COMPANY

STATEMENT REGARDING JUSTIFICATION FOR EXCISING TRADE SECRET INFORMATION

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

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

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

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

Date prepared: February 28, 2023

STATE OF MINNESOTA BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

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

SUMMARY OF FILING

Otter Tail Power Company (Otter Tail or Company) submits this Petition to the Minnesota Public Utilities Commission (Commission) for approval of its annual true-up rate for its Energy Adjustment Rider (EAR) under Otter Tail's Rate Schedule Section 13.01 for calendar year 2022.

STATE OF MINNESOTA BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

In the Matter of Otter Tail Power Company's Petition for Approval of the Annual True-Up for its Energy Adjustment Rider, Rate Schedule 13.01 Docket No. E017/AA-21-311 PETITION

I. INTRODUCTION

Otter Tail Power Company (Otter Tail or the Company) submits this Petition to the Minnesota Public Utilities Commission (Commission) for approval of its true-up of Otter Tail's annual costs and collections recovered through Otter Tail's Energy Adjustment Rider (EAR) under Otter Tail's Rate Schedule Section 13.01 for the period of January 1 to December 31, 2022. Otter Tail also provides numerous annual reporting requirements in compliance with Minn. R. 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges and as required by prior Commission Orders.

II. REGULATORY BACKGROUND AND REQUEST SUMMARY

A. PRIOR COMMISSION ACTIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

² This eighteen-month true-up facilitated the transition to the reformed FCA mechanism as approved in Docket No. E999/CI-03-802 June 12, 2019, Order.
³ Otter Tail's August 14, 2020, Reply Comments in Docket No. E017/AA-20-462.
⁴ The July 13, 2020, Order in Docket No. E017/AA-19-297 authorized Otter Tail to refund approximately \$3.6 million overcollection of January – March 2020 fuel cost charges. The July – September 2020 EAR rates were reduced by (\$0.0057) per kWh.

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

On July 27, 2022, Otter Tail made a Supplemental Filing in this Docket to update its monthly rates for September through December 2022 based on a more updated forecast due to higher natural gas prices and LMPs compared to what had been incorporated initially into 2022 rates. These forecasted prices were expected to continue through 2022. Otter Tail also incorporated updated sales forecasts into the forecast to account for actual and forecasted sales increases. That forecast was based on updated projected 2022 annual sales of 5,664,867 MWh, forecasted system costs of \$139,593,199, and a net system FCA cost of \$24.642 per MWh. No party opposed Otter Tail's request and Otter Tail implemented updated monthly rates beginning in September of 2022 through December 2022.

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

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

On a system-wide basis, Otter Tail's actual EAR recoverable costs for 2022 were \$144,347,469 as compared to Otter Tail's forecasted costs for 2022 of \$104,111,271. Note that Otter Tail's actual amounts have been adjusted to include the proposed return of the 2022 portion of MISO Planning Resource Auction (PRA) revenues Otter Tail received from the 2022/2023 planning year auction. Otter Tail also began recovery of the cost of generation plant reagent expenses, as well as the return for revenue from the sale of steam and water from Big Stone Plant to Poet Biorefining through the EAR. These two changes were effective with the implementation of final rates July 1, 2022, per the Commission's Order in Otter Tail's last rate case.⁵

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

The total under-recovery balance in this true-up filing for 2022 and prior periods is (\$9,411,883). Otter Tail proposes to collect the 2022 under-recovery balance over a twelve-month period of September 1, 2023 through August 31, 2024, as stated in Otter Tail's EAR Rate Schedule, Section 13.01, which states *"[t]he annual true-up shall be based . . . and shall be applied to the subsequent twelve months"*.

Otter Tail also submits in this filing reports and schedules required by Minnesota Rules 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges, as well as those items required by prior Commission Orders from past Annual Automatic Adjustment (AAA) Dockets.

III. SUMMARY OF FILING

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

IV. GENERAL FILING INFORMATION

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

A. NAME, ADDRESS, AND TELEPHONE NUMBER OF UTILITY

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

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

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

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

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

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

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

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

Consistent with the filing requirement in Minn. R. 7825.2840, the date of this filing is February 28, 2023. Otter Tail proposes to implement the True-Up rate effective September 1, 2023. The information contained in this filing is submitted in compliance with the aforementioned Rules concerning Automatic Adjustment of Charges.

D. STATUTE CONTROLLING SCHEDULE FOR PROCESSING THE FILING

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

No statute establishes a schedule for processing this filing. The applicable rules are Minn. R. 7825.2800 through 7825.2840.

E. TITLE OF UTILITY EMPLOYEE RESPONSIBLE FOR FILING

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

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

F. IMPACT ON RATES

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

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

G. SERVICE LIST

(Minn. Rules 7829.0700)

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

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

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

Regulatory Filing Coordinator Otter Tail Power Company 215 South Cascade Street P.O. Box 496 Fergus Falls, MN 56538-0496 regulatory_filing_coordinators@otpco.com

H. SERVICE ON OTHER PARTIES

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

Pursuant to Minn. Rule 7829.1300, Subp. 2, Otter Tail served a copy of this Petition on the Department and the Residential Utilities Division of the Office of the Attorney General. A summary of the filing prepared in accordance with Minn. Rule 7829.1300, Subp. 1 was served on all parties on Otter Tail's general service list.

V. DESCRIPTION OF FILING

A. FILING OVERVIEW

The primary purpose of this filing is to: (1) demonstrate that Otter Tail's fuel and purchased power costs to serve its customers for 2022 were reasonable and prudent; (2) provide the necessary support for the Commission to reach that conclusion; (3) obtain approval of Otter Tail's request to move forward in implementing its final true-up rates for 2022; and 4) obtain approval of all compliance reporting in accordance with Minnesota Rules 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges, as well as those items required by prior Commission Orders from past Annual Automatic Adjustment (AAA) Dockets.

Otter Tail's proposed true-up in this filing will be a combination of an under-collection in 2022 and a remaining under-collection from prior periods, resulting in a net under-collection of (\$9,411,883).

B. KEY RESULTS AND ANALYSIS OVERVIEW

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

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

Table 1 2022 FCA Summary (Total System)

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

- 1. Total Forecast costs for 2022 compared to actual costs.
- 2. Forecasted kWh sales for 2022 compared to actual kWh sales.
- 3. Forecasted rates for 2022 compared to actual rates.
- 4. Forecasted market prices for 2022 compared to actual market prices.
- 5. Forecasted generation and associated fuel costs compared to actual generation and associated costs, a discussion on changes in plant operations implemented in 2022, as well as a review of overall plant availability and associated forced outages.
- 6. Forecasted purchased power costs authorized for FCA recovery including PPAs and market purchase compared to actual results.
- 7. Forecasted MISO and SPP wholesale market charges compared to actual results.
- 8. Forecasted asset-based sales compared to actual results.
- 9. Reagent expenses and steam and water sales.
- 10. MISO Planning Resource Auction revenues

Summary monthly forecast and actual results for 2022 by month are included in Attachment 2 to this filing. Attachment 3 (marked as Not Public) to this filing includes detailed forecast to actual comparisons for each month of 2022, with separate monthly variance analysis for total monthly costs, monthly MWhs, and monthly cost per MWh, as well as Total Year results for those same components.

Otter Tail provides additional analysis associated with total FCA collections for 2022 relative to actual costs incurred and quantifies the applicable true-up balance subject to collection as authorized by the Commission.

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

C. 2022 TOTAL COSTS HIGHER THAN FORECAST

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

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

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

2022 SALES HIGHER THAN FORECAST D.

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

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

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

Table 3 2022 Monthly kWh Sales **Forecast to Actual Comparison**

⁶ Actual 2022 HDD = 7,122 (112.5% of Normal); Actual 2022 CDD = 531 (113.5% of Normal). ⁷ December 03, 2021, Order in Docket No. E017/AA-21-311.

Е. **COMPARISON OF FORECASTED RATES TO ACTUAL COSTS PER KWH**

Table 4 below shows Otter Tail's actual average cost of fuel and purchased power for calendar year 2022 was \$0.025890 per kWh compared to a forecast of \$0.020783 per kWh. Table 4 summarizes the approved forecasted monthly fuel rate per kWh, the actual fuel costs per kWh and the variances. These costs are provided on a monthly and total basis in Attachment 2.

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

Table 4 **Total FCA Cost Per kWh Initial Forecast to Actual Comparison**

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

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

111	Revised 1 of cease to Actual comparison						
Month	Actual	Revised forecast ⁹	Variance				
September 2022	\$0.026075	\$0.022341	\$0.003734				
October 2022	\$0.025829	\$0.029491	(\$0.003662)				
November 2022	\$0.026147	\$0.027120	(\$0.000973)				
December 2022	\$0.043346	\$0.024261	\$0.019085				

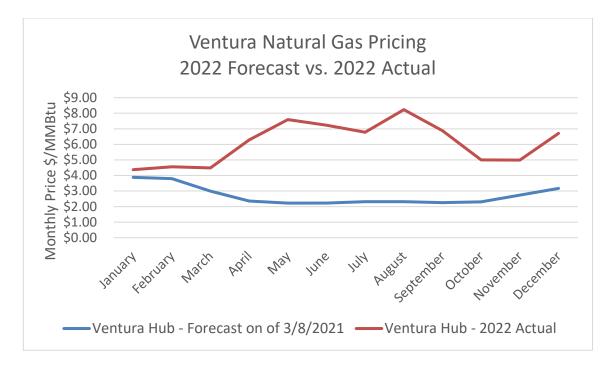
 ⁸ December 2, 2021, Order in Docket No. E017/AA-21-311.
 ⁹ Otter Tail's Supplement Filing, July 27, 2022.

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

1. Natural Gas Prices

Natural gas pricing often drives Mid-Continent Independent System Operator (MISO) Locational Marginal Pricing (LMP). This is due to natural gas generation facilities often being the marginal units, or price setting units, within the MISO market. This was evident back in 2021 as natural gas prices saw an abnormally high spike in February during Winter Storm Uri that impacted much of the central United States.

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



2. LMP Prices

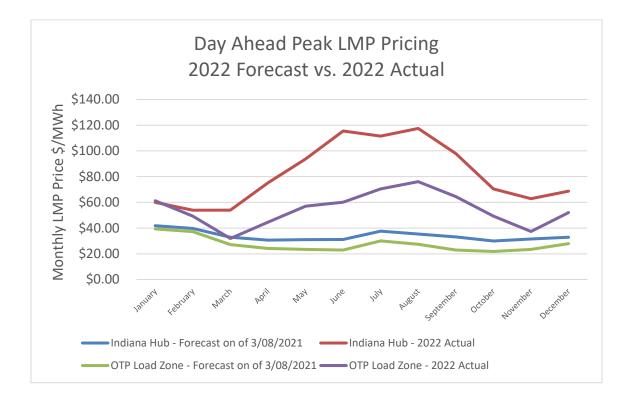
A key input in Otter Tail's Encompass model which was used to develop 2022 forecasted rates is forecasted LMP prices. The model uses these prices to estimate how generating resources will be dispatched based on their respective operating costs to meet forecasted load. When market prices are lower than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

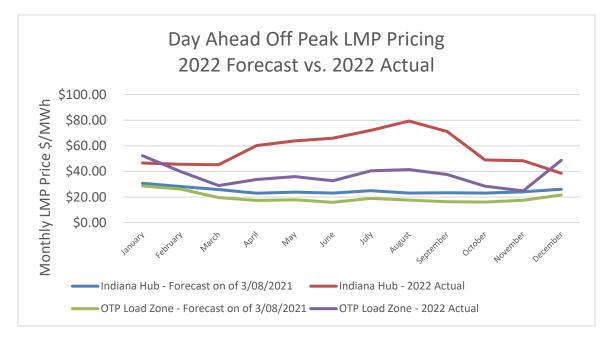
Otter Tail's forecasted 2022 LMP prices for the Otter Tail load zone used as modeling inputs, utilizes the daily forward Indiana Hub price curves published by Intercontinental Exchange, Inc (ICE). Otter Tail analyzes historical pricing basis between the Indiana Hub and Otter Tail load zone, evaluates historical market conditions, and considers current and future market expectations to develop an Otter Tail load zone forecast. As the Indiana Hub actual pricing deviates from forecasted pricing, the Otter Tail load zone will similarly deviate. The 2022 Otter Tail forecast utilized the March 8, 2021, Indiana Hub forward price curve.

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

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

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





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

G. **GENERATION OUTPUT**

As noted earlier, the Encompass model that Otter Tail used to develop its 2022 fuel forecasts, modeled plant dispatch and associated fuel costs based on the operating parameters and associated costs of running the plants. In the model, the dispatch of plants is influenced by 1) the amount of load to be served, which varies seasonally; 2) energy acquired from long term purchase power agreements (PPAs) or other forward purchases; and 3) forecasted LMP prices from which energy could be acquired from the market. Plant availability is another factor, as planned outages and estimated forced outage rates were also inputs into the model. The model attempts to balance all these variables to achieve the lowest cost portfolio of resources to meet load and other market requirements.

1. Baseload Generation Utilization

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

2022 Baseload Generation Forecast to Actual Comparison (Total System)							
		Forecast		Variance			
Generating Unit	Actual MWhs	MWhs	Variance	%			
Big Stone Plant	1,023,430	711,672	311,758	43.8%			
Coyote Station	Coyote Station 795,864 776,954 18,910 2.49						
Total Baseload	Total Baseload						
Generation - MWhs 1,819,294 1,488,626 330,668 22.2%							
Total Baseload Fuel							
Costs	\$44,531,997	\$37,702,195	\$6,829,802	18.11%			

Table 5

2. Plant Availability

Big Stone Plant experienced four forced outages in 2022, three of which were tube leak related. The lengthiest outage began November 5, 2022 when a concerning step change in vibration of a bearing in the generator's exciter was noticed while the unit was operating at a steady state. The exciter is a small generator, mounted on the same shaft as that of the main generator, which produces DC power for the main generator field winding. The decision was made to take the unit down prior to any damage being done. That outage continued through the end of 2022 and into 2023.

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

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

3. Wind Generation

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

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

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

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

A small percentage of Otter Tail's generation comes from a natural gas peaking units at Solway, MN and Otter Tail's new Astoria Station unit at Astoria, SD; several small oil peaking plants, as well as a small amount of hydro and small-scale solar generating facilities. Both Solway plant and Astoria Station were dispatched at significantly higher levels than forecast in 2022. These units are dispatched by MISO as needed to meet load needs in their respective geographic areas. Detailed forecast to actual results for all these plants can be found in Attachment 3 (marked as Not Public).

H. MARKET PURCHASES AND PURCHASED POWER AGREEMENTS

Otter Tail had three long-term wind Purchased Power Agreements (PPAs) as part of our overall resource portfolio to serve our load in 2022. Additional energy is procured through shared service agreements and small cog-gen agreements. The majority of Otter Tail's purchased power comes through purchases in the MISO DA and RT markets, and certain forward bilateral energy purchases executed to hedge market price volatility during periods of peak load or when generating units are unavailable due to major planned outages.

Table 7 below provides a summary of these various resources and their respective MWh contributions to Otter Tail's overall resource needs in 2021 relative to forecast, as well as a summary of the overall forecasted and actual costs.

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

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

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

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

I. MISO AND SPP WHOLESALE MARKET CHARGES

Wholesale market charges consist of numerous charges and credits Otter Tail is subjected to as a participant in the MISO and the SPP¹⁰ energy markets. This subset of wholesale market charges/credits does not include the primary charges/credits associated with the injection of energy (generation) and the withdrawal of energy (load), as these charges are captured in the purchased power category of costs described above. Nearly 70 different MISO and SPP wholesale market charge types are currently assessed to Otter Tail.

Table 8 below summarizes 2022 MISO and SPP Market Charges which, in aggregate, were forecasted to be an expense of approximately \$1.48 million but resulted in a revenue credit of approximately (\$14.4) million. The largest variance occurred in the MISO market where FTR hourly allocation and FTR auction revenue rights amount variances yielded the largest favorable variances, offsetting smaller unfavorable DA and RT congestion and loss amount variances. Detailed forecast to actual comparisons of all charge-types for both MISO and SPP can be found in Attachment 3 (marked as Not Public).

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

2022 MISO and SPP Wholesales Market Charges Forecast to Actual Comparison Expense (Revenue) (Total System)						
	Actual	Forecast	Variance	Variance %		
MISO Market Charges	(\$14,430,995)	\$1,479,146	(\$15,910,141)			
SPP Market Charges	(\$3,513,429)	(\$1,283,711)	(\$2,229,718)	173.70%		
Total Market Charges	(\$17,944,424)	\$195,435	(\$18,139,859)	(9,280%)		

Table 8

J. ASSET BASED SALES

Plant availability, market prices and load levels can all have an impact on when plants are dispatched to a point where units are net sellers into the market. For 2022, Otter Tail realized approximately (\$17.7) million of asset-based sales that offset fuel costs and provided a margin, all of which is credited back to customers through the fuel clause per provisions of Otter Tail's EAR Tariff Section 13.01. Otter Tail's Strategist model forecasted approximately (\$7.7) million in asset-based sales for 2022. The lower cost of Otter Tail's baseload units allowed them to be dispatched into the market at times when excess generation was available over and above meeting Otter Tail's load. Table 9 below summarizes 2022 Asset based forecast to actual results.

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

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

K. **ASM, WIND CURTAILMENTS**

At times, Otter Tail's generating resources are called upon to provide Ancillary Services (ASM) into the MISO market, for which it receives a revenue stream. In addition, certain provisions within Otter Tail's wind PPAs call for curtailment payments to be made if the facilities are shut down due to negative LMP prices. These revenues and costs are a small component of the overall FCA costs. ASM revenues were approximately 29.3 percent lower in 2022, while curtailment costs were 454.9% higher than forecast but that forecast was not a material amount. Forecast to actual details can be found in Attachments 2 and 3 for these items.

L. REAGENT EXPENSES AND STEAM AND WATER SALES

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

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

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

M. MISO PLANNING RESOURCE AUCTION REVENUES

In 2022, Otter Tail realized significant revenues from the sale of excess generating capacity into the MISO market's 2022/2023 annual resource adequacy Planning Resource Auction (PRA). In total Otter Tail was awarded approximately \$9.34 million for the June 2022 to May 2023 planning year.

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

On December 29, 2022, the Commission order in Otter Tail's 2023 EAR forecasted rates Docket no. E017/AA-22-214 modified Otter Tail's EAR tariff to include known MISO PRA revenues and expenses in the calculation of 2023 EAR rates. Otter Tail included the estimated 2023 portion of the 2022/2023 planning year revenues in 2023 rates.

Based on that order and treatment of PRA revenues for 2023 forecast rates, Otter Tail has included the actual 2022 portion of the 2022/2023 PRA revenues Otter Tail received in 2022, in this true-up. Otter Tail recognizes these revenues offset and reduce the remaining true-up balance for 2022 and supports their inclusion. In total, Otter Tail received \$5,347,776 (System) of PRA revenue through MISO settlements, as summarized on Attachment 1, line 3 and Attachment 2 line 28. Attachment 19 to this filing provides further detail on the timing of when revenues are received and booked each month.

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

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

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

Table 10 2022 Annual True-Up Rate MN Share

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

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

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

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

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

This annual true-up for 2022 is being filed on or before March 1, 2023. Any remaining balance associated with the prior recovery period annual true-up filing will be included as part of the true-up rate requested in this filing, per Ordering point 10 of the June 12, 2019, Order in Docket E999/CI-03-802.

O. ANNUAL COMPLIANCE/REPORTING REQUIREMENTS

In Appendix A, Otter Tail provides annual reporting requirements specified in the Rule sections described below to satisfy compliance obligations stemming from either these Rules or prior Commission Orders. Rule variances for these rules were approved by the Commission Order dated June 12, 2019, in Docket No. E999/CI-03-802.

Minn. R. 7825.2810 Annual Report: Automatic Adjustment of Charges

Appendix A Section 2 contains a summary of the annual reporting (by month) of all actual electric automatic adjustment charges for the prior year of January 1 to December 31, 2021. It includes the following:

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

Additional Reporting Requirements

Appendix A Section 3	Passing MISO Day 2 Costs Through Fuel Clause Order in Docket No. E017/M-05-284
Appendix A Section 4	Southwest Power Pool (SPP) Energy Costs Docket No. E017/GR-15-1033
Appendix A Section 5	MN DOC's Review of 2005/2006 AAA Report Docket No. E,G999/AA-06-1208, Use of Virtual Transactions for Retail and Generation Maintenance Expenses
Appendix A Section 6	MNPUC Order Acting on Electric Utilities' Annual Reports and Requiring Additional Filings (Lessons Learned, Outages, Congestion and FTR, MISO Accredited UCAP Docket No. E999/AA-09-961 and E999/AA-10-884
Appendix A Section 7	MN OES's Review of 2006/2007 AAA Report – MISO Day 2 Charges Docket E,G999/AA-07-1130
Appendix A Section 8	Petition to Revise Cost of Energy Adjustment Tariff to Accommodate Purchased Energy from Renewable Resources Docket No. E017/M-03-970 and Wind Curtailment Summary Docket No. E,G999/AA-06- 1208
Appendix A Section 9	MN OES's Order Authorizing Ongoing Use of Fuel Clause Adjustment and Setting Reporting Requirements and Petition for Approval Revisions to Riders for Fuel Adjustment to Recover Costs and Pass through Related to MISO Ancillary Services Market Docket No. E017/M-08-528

Appendix A Section 10	MNPUC Order Acting on Electric Utilities' Annual Reports and Requiring Additional Filings in 2013/2014 AAA Reports (FTR,ARRs) Docket No. E999/AA-14-579
Appendix A Section 11	MNPUC Order Acting on Electric Utilities' Annual Reports and Setting Further Requirements – Contractors Docket No. E999/AA-08-995

Minn. R. 7825.2820 Annual Auditor's Report

Appendix B contains the Independent Accountants' Report for the period of January 1 to December 31, 2021.

Minn. R. 7825.2830 Annual Five-Year Projection

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

Minn. R. 7825.2830 Notice of Reports Availability

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

VI. CONCLUSION

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

Otter Tail also seeks Commission approval of all reporting and compliance components of this annual automatic adjustment of charges report as required by rules and prior Commission orders. Dated: February 28, 2023

Respectfully submitted,

OTTER TAIL POWER COMPANY

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

OTTER TAIL POWER COMPANY FUEL CLAUSE ADJUSTMENT FORECAST PETITION ATTACHMENTS

Attachment 1	True-Up for kWh Subject to Energy Adjustment
Attachment 2	Forecast to Actual by Category
Attachment 3	Forecast to Actual Detail by Month with Variance (Not Public)
Attachment 4	Energy Adjustment Rider Rate Schedule
Attachment 5	kWh Sales by Primary Energy Source
Attachment 6	Energy Costs by Primary Energy Source
Attachment 7	Monthly Cost Components by Fuel Type (Not Public)
Attachment 8	MISO Module E (Not Public)
Attachment 9	MISO Day 2 Charges – MN Share
Attachment 10	MISO Day 2 by Retail, Asset, NonAsset
Attachment 11	SPP Charges
Attachment 12	Generation Maintenance Expense
Attachment 13	Plant Forced Outage (Not Public)
Attachment 14	Wind Curtailment (Not Public)
Attachment 15-18	MISO ASM Charges
Attachment 19	Planning Resource Auction Revenues
Appendix A	Compliance Items (Not Public)
Appendix B	Rule 7825.2820 Independent Auditor's Report
Appendix C	Rule 7825.2830 Notice of Report Availability

Otter Tail Power Company True-Up for kWh Subject to Energy Adjustment Rider (EAR) Docket No. E017/AA-21-311 Annual True-Up Period of January 2022 through December 2022

		Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	YTD 2022 Total
1	Total System Sales (kWh)	529,048,149	521,550,256	512,979,140	463,532,875	451,829,905	408,186,786	404,127,303	425,239,938	452,105,540	429,364,579	459,289,285	518,170,378	5,575,424,134
2	Total System Energy Cost	\$11,036,271	\$10,681,168	\$10,764,370	\$8,001,479	\$11,216,014	\$15,494,479	\$12,305,563	\$12,847,223	\$11,788,444	\$11,090,028	\$12,009,214	\$22,460,992	\$149,695,245
3	Planning Resource Auction Revenues Adjusted Total System Energy Cost (line 2	\$0	\$0	\$0	\$0	\$0	(\$563,377)	(\$741,966)	(\$844,306)	(\$767,551)	(\$793,136)	(\$767,551)	(\$869,891)	(\$5,347,776)
4	+ line 3)	\$11,036,271	\$10,681,168	\$10,764,370	\$8,001,479	\$11,216,014	\$14,931,102	\$11,563,597	\$12,002,917	\$11,020,893	\$10,296,892	\$11,241,663	\$21,591,101	\$144,347,469
	MN kWh Sales Subject to Energy													
5	Adjustment Rider (EAR)	243,722,742	237,999,717	220,443,861	210,646,510	190,996,944	188,325,095	196,802,350	196,200,280	196,895,745	181,340,459	239,745,584	252,686,409	2,555,805,696
6	MN FCA Revenue	\$4,989,231	\$4,933,559	\$4,977,651	\$4,385,452	\$3,920,102	\$3,759,163	\$3,911,669	\$3,949,689	\$4,170,031	\$4,781,549	\$6,597,078	\$7,082,759	\$57,457,933
7	2021 True Up Rate 2021 True Up (line 5 * line 7)	\$0.0000 \$0	\$0.0000 \$0	\$0.0000 \$0	\$0.0000 \$0	\$0.0000 \$0	\$0.0000 \$0	\$0.0000 \$0	\$0.0000 \$0	\$0.0008 \$157,517	\$0.0008 \$145,072	\$0.0008 \$191,796	\$0.0008 \$202,149	\$696,535
		ŶŬ	ŲŲ	ΟÇ	ŞŬ	οÇ	ŶĊ	ŰÇ	ŬÇ.	Ş157,517	\$145,672	Ş131,750	Ş202,145	<i>2030,333</i>
9														
10														
11														
12														
13	Net MN FCA Revenue (line 6 - line 8 - line 10 - line 12)	\$4,989,231	\$4,933,559	\$4,977,651	\$4,385,452	\$3,920,102	\$3,759,163	\$3,911,669	\$3,949,689	\$4,012,515	\$4,636,476	\$6,405,282	\$6,880,610	\$56,761,399
10	10 1110 127	\$1,505,202	<i>\$1,500,005</i>	<i>\$1,577,651</i>	<i>\$1,000,102</i>	\$0,520,202	<i>\$6,755,200</i>	<i><i><i>vojs11j003</i></i></i>	<i>Q</i> 015151005	<i><i><i>qqqzzjzzjzzjzzzjzzzjzzzjzzzjzzzjzzzjzzzjzzzjzzzjzzzj<i>zzzjzzzjzzzj<i>zzzjzzzj<i>zzzj<i>zzzjzzzj<i>zzzj<i>zzzjzzzj<i>zzzj<i>zzzj<i>zzzj<i>zzzj<i>zzzj<i>zzzj<i>zzzj<i>z<i>zzj<i>zzzj<i>zzzj<i>zzzzj<i>zzzzj<i>zzzzzzz<i>zz</i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i>	<i>Ç1)000)110</i>	<i>Q</i> 010310202	<i>Q</i> 0000000000000	<i><i><i><i>q</i>ssjissjssss</i></i></i>
14											141150	A Revenue (line 13)	(1)	\$56,761,399
												. ,	.,	
15 16										Ove	r/(Under) Recovery	Actual Energy Cost for 2022 FCA Year	(2)	
											,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(-)	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
17										Cumulative	• Over/(Under) thro	ugh 2021 FCA Year	(5)	\$ (3,592)
18											Current Over/(Ur	nder) to Customers	(6)	(\$9,411,883)
19										F	orecasted kWh Sep	t 2023 - Aug 2024	(7)	2,582,795,225
20											Annı	al True-up Factor Over/(Under)	(8)	(\$0.0036)
			very: Sum of recove									,(,		
			MN kwh sales subje ry: total adjusted rec			nergy cost								
		% over/under recov Cumulative Over/(L	very: over/under reco	overy / actual energy	/ cost									
	(6)	Sum of current yea	r Over/(Under) reco											
			Energy Adjustment F be divided by the for							nt				
		period the true-up r	ate will be in effect a	and then multiplied I	by the applicable EA	AF ratio."			,					
	(8)	Refund to custome	rs / Forecasted kWh	September 2023 tl	nrough August 2024	ι.								
					(4) % Over/(Under	Recovery	-14.22%							
					% of MN sales (sub	ject to FCA) to syste	em	45.8406%						
					Energy costs alloca	ited to MN for sales	subject to FCA	\$66,169,690						
					3,			,						

Minnesota COE Calculation

Line							FORE	CASTED C	0313					
No.	А	в	С	D	E	F	G	н	1	J	к	L	М	N
1 R	Rate Effective month	January-22	February-22	March-22	April-22	May-22	June-22	July-22	August-22	September-22	October-22	November-22	December-22	Year End
2 B	Based on Period Ending	01/31/22	02/28/22	03/31/22	04/30/22	05/31/22	06/30/22	07/31/22	08/31/22	09/30/22	10/31/22	11/30/22	12/31/22	Total
3	Plant Generation	\$6,337,999	\$5,533,854	\$4,828,867	\$1,803,326	\$2,076,723	\$2,336,825	\$4,569,800	\$4,169,081	\$2,626,425	\$1,898,708	\$2,464,866	\$4 760 700	\$43,409,256
3	Wholesale Market Charges	\$6,337,999 \$11,534	ە,533,854 \$19,845	\$4,828,867 \$41,243	\$1,803,326 \$38,887	\$2,076,723 \$43,107	\$2,336,825 (\$80,562)	\$4,569,800 \$13,568	\$4,169,081 \$12,672	\$2,626,425 \$26,985	\$1,898,708	\$2,464,866 \$23,213	\$4,762,783 \$25,998	\$43,409,256 \$195,434
5	Purchased Power	\$7,030,153	\$6,861,680	\$4,790,675	\$6,663,507	\$5,562,753	\$5.011.252	\$4,015,230	\$4,628,036	\$4,710,910	\$5,579,002	\$6,519,177	\$7,043,071	\$68,415,446
6	Wind Curtailment	\$1,979	\$4,039	\$9,714	\$10,643	\$21,634	\$13,608	\$22,244	\$8,118	\$6,442	\$46,446	\$2,310	(\$11,633)	\$135,545
7	Fuel costs of Asset-Based Sales	(\$1,222,345)	(\$914,887)	(\$151,499)	(\$241,927)	(\$298,110)	(\$117,992)	(\$435,483)	(\$365,388)	(\$144,028)	(\$32,910)	(\$406)	(\$576,625)	(\$4,501,599)
8	MISO ASM	(\$48,114)	(\$29,760)	(\$21,743)	(\$27,218)	(\$2,983)	(\$18,787)	(\$55,198)	(\$44,349)	,	(\$10,160)	(\$30,638)	(\$39,935)	(\$369,656)
9	MN Asset-Based Margins	(\$1,883,340)	(\$640,103)	(\$23,629)	\$56,301	(\$1,941)	(\$26,349)	(\$243,856)	(\$148,496)	(\$62,292)	\$14,507	(\$39)	(\$213,919)	(\$3,173,156)
_	-													
10 F	Fuel Costs and Purchase Power for System Use	\$10,227,866	\$10,834,669	\$9,473,628	\$8,303,518	\$7,401,181	\$7,117,994	\$7,886,305	\$8,259,675	\$7,123,672	\$7,514,539	\$8,978,483	\$10,989,740	\$104,111,271
11 E	Energy for System Use (kWh)	516,873,302	471,590,712	456,164,950	401,011,353	370,125,163	359,944,884	380,025,386	377,367,374	357,634,608	380,642,809	440,851,227	497,242,562	5,009,474,331
12 F	Forecast Cost per kWh Approved December 2021	0.019788	0.022975	0.020768	0.020706	0.019996	0.019775	0.020752	0.021888	0.022341	0.029491	0.027120	0.024261	0.020783
13 S	Sept 2022 - Dec 2022 True Up Factor Approved July 2022	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000800	0.000800	0.000800	0.000800	
14 E	AF Ratios and Service categories changed per July 2022 Approval													
15 E	AR Rate With Approved True Up and Refunds	0.019788	0.022975	0.020768	0.020706	0.019996	0.019775	0.020752	0.021888	0.023141	0.030291	0.027920	0.025061	

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

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

FORECASTED COSTS

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 1 of 78

			Ja	nuary	y 2022 Forecast to	Actual - Expens	se (Revenue)	
			January 20	22	January 2022			
Line	Plant Ge	neration	Forecast [PROTECTED		Actual A BEGINS			Notes
1		Big Stone					•	
2		Coyote Hoot Lake #2	-					Hoot Lake plant closed in May 2021
4		Hoot Lake #3			1	PROTECT	ED DATA ENDS	
6		Total Coal	\$ 5,006			\$ (1,030,862)		
7		Langdon Wind	[PROTECTED	DAT	A BEGINS			
9		Ashtabula Wind						
10		Luverne Wind Merricourt	-					
12							ED DATA ENDS]	
13 14		Total Wind	\$	-	\$ -	\$ -	0	
15		Total Hydro	\$		\$ -	\$-	0	
16 17		Jamestown 1	[PROTECTED	DAI	A BEGINS		I	
18		Jamestown 2	E					
19 20		Lake Preston		_		PROTECT	ED DATA ENDS	
21		Total Oil - Peaking Units	\$ [PROTECTED	-	\$ 42,744	\$ 42,744	0	
22 23		Natural gas - Solway	FROTECTED	DAT	A BEGING			
24 25		Natural gas - Astoria				PROTECT	ED DATA ENDS	
26		Total Natural Gas	\$ 1,331					
27 28		Solar - Blue Jay	[PROTECTED	DAT	A BEGINS			
29		Solar - Blue Heron					-	
30 31	L	Total Solar	\$	-	\$-	PROTECT	ED DATA ENDS] 0	
32	[Total OTP-Owned		999	\$ 5,729,768	\$ (608,231)	-9.60%	
33 34			φ 0,337,	333	ψ J,/29,/08	Ψ (000,231)	-9.00%	
35 36	Wholesa	e Market Charges MISO Wholesale Market Charges						
37	555.02	DA Asset Energy Amount***	\$	-	ş -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
38 39	555.04 555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	\$ \$	-	s - s -	 \$	0	Energy Amounts - included/embedded within Market Purchases
40	555.19	RT Asset Energy Amount***	\$		ş -	\$-	0	Energy Amounts - included/embedded within Market Purchases
41 42	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	\$ (160) \$	383)	\$ (420,503) \$ -	\$ (260,120) \$ -	162.19% 0	
43		DA Loss Amount	\$ 436		\$ 1,094,477	\$ 658,081	150.80%	
44 45	555.26	RT Loss Amount RT Non-Asset Energy Amount***	\$ 19. \$	736	\$ 54,631 \$ -	\$ 34,895 \$ -	176.80%	Energy Amounts - included/embedded within Market Purchases
46	555.08	DA Losses Rebate on Option B GFA	\$	-	ş -	\$-	0	
47 48	555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount	\$	-	\$ - \$ -	\$ - \$ -	0	
49	555.01	DA Mkt Admin Amount			\$ 67,979	\$ (19,821)	-22.58%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51	555.18 555.13	RT Mkt Admin Amount FTR Mkt Admin Amount		,352 ,274	\$ 9,153 \$ 2,282			Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53	555.03	DA FBT Congestion Amount DA Congestion		-	\$ - \$ 7,899,138	\$ - \$ 7,652,243	0 3099.39%	
54	555.20	RT FBT Congestion Amount	\$	-	s -	\$ -	0	
55 56	555.14	RT Congestion FTR Hourly Allocation Amount		165	\$ 171,789 \$ (11,356,006)		556.57% 2497.96%	
57	555.15	FTR Monthly Allocation Amount	\$ (24	656)	\$ (300,507)	\$ (275,850)	1118.77%	
58 59	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount		.085)	\$ (531,221) \$ -	\$ (505,137) \$ 18,202	<u>1936.53%</u> -100.00%	
60	555.36	FTR Full Funding Guarantee Amount	\$ (11	730)	\$ 610,148	\$ 621,878	-5301.41%	
61 62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount		840		\$ (681,916) \$ (1,165,125)	-2540.68% 366.53%	
63	555.38	FTR Annual Transaction Amount	\$ 315	506	\$ 1,480,185	\$ 1,164,679	369.15%	
64 65	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount		,399 ,546)			117.00% 141.24%	
66	555.07	DA Congestion Rebate on Option B GFA	\$	-	ş -	\$-	0	
67 68	555.10 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	(997)	ş -	\$ 7,051 \$ 997	71.64%	
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19		\$ 41,736	\$ 22,661	118.80%	
70 71	555.30 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (15	936)	\$ (37,176)		-100.00% 133.28%	
72 73	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 47	497	\$ 66,696	\$ 19,199	40.42% -81.78%	
74	555.27	RT Net Inadvertent Amount		845	\$ (5,614)	\$ (6,459)	-764.19%	
75 76	555.31 555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ \$ 9	- 256	\$ - \$ 19,222	\$ - \$ 9,966	0 107.66%	
77	555.63	DA Ramp Product	\$	(863)	\$ (3,503)	\$ (2,640)	305.92%	
78 79		RT Ramp Product RT Schedule 49 Cost Distribution Amount		215)			373.26% -21.59%	
80 81	555.55	RT ASM Non-Excessive Energy Amount***	\$	-	s - s -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
82	555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	\$	-	\$ -	\$-	0	
83 84		DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$ \$		\$- \$-	s - s -	0	
85		RT Loss Rebate on COGA	\$	-	\$ -	\$ -	0	
86 87		Net Congestion and Losses Adjustment & No DA Generation Sched	\$	-	\$ 330,026	\$ 330,026	0	
88		Total MISO Wholesale Market Charges	\$ 134	859	\$ (3,057,109)	\$ (3,191,968)	-2366.89%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89 90	<u> </u>	SPP Wholesale Market Charges						
91	555.19	DA Asset Energy Amount***	\$	-	ş -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
92 93	555.03 555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	\$ \$		s - s -	\$- \$-	0	Energy Amounts - included/embedded within Market Purchases
94	555.00	RT Non-Asset Energy Amount	\$	-	ş -	\$-	0	
95 96	555.10	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount		- 235				
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$	-	ş -	\$-	0	
98 99	555.04	DA Regulation-Down Distribution Amount	\$ \$	22 15	\$ (12)	\$ (27)	-179.86%	
100 101	555.05 555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	s	27 29				
102	555.07	DA Supplemental Reserve Distribution Amount	\$	4	\$ (3)	\$ (6)	-172.05%	
103 104	555.08	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	\$	(0) ,308)	ş -	\$ 0	-100.00%	
105	555.12	RT Regulation-Down Distribution Amount	\$	(0)	\$ 1	\$ 1	-235.53%	
106 107		RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$ \$	(0)				
108	555.16	RT Spinning Reserve Distribution Amount	\$	(0)	\$ 14	\$ 14	-32274.26%	
109 110		RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ \$ (89	(0) 947)		\$ (4) \$ 94,187	75592.31% -104.71%	
111	555.21	RT Pseudo Tie Loss Amount	\$ (23	,431)	\$ 10,398	\$ 33,829	-144.38%	
112 113	555.23 555.26	Miscellaneous Amount ARR Closeout Yearly Amount	\$ \$	(5)	\$ (32) \$ -		542.91% 0	
114	555.28	RT Demand Reduction Distribution Amount	\$ ¢	(0)	ş -	\$ 0		
115	555.29	RT Schedule 1A3 Amount	\$	3	\$ (3)	\$ (7)	-194.84%	1

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 2 of 78

116		RT Schedule 1A4 Amount	\$	18		(17)		(35)	-192.27%	
117		DA Ramp Up Distribution Amount	\$	-	\$		\$	-		New charge type in 2022
118		DA Ramp Down Distribution Amount	\$	-	\$		\$	-		New charge type in 2022
119		RT Ramp Non Performance Distribution Amount	\$	-	\$		\$	-		New charge type in 2022
120		RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-		New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	s	14	s	(11)	\$	(25)	-183.75%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	Ş	(0)	\$	1	\$	1	-5200.00%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(10,722)	\$	112,603	-91.31%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(79,951)	S	(20,689)	S	59,263	-74.12%	
129		Real Time Regulation Amount	S	22.084	\$	3.020		(19,064)	-86.32%	
130		Regulation Cost Distribution Amount	Š	15,559	\$	19,479		3,919	25.19%	
131		Day Ahead Short-Term Reserve Amount	\$		Š	(24,744)		(24,744)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$			(1,424)	0	
133		Short-Term Reserve Cost Distribution Amount	ş S		\$	9,798	ŝ	9,798	0	
134		Day Ahead Spinning Reserve Amount	\$	(13,168)	\$	(36,556)	\$	(23,388)	177.62%	
134		Real Time Spinning Reserve Amount	\$	(3,562)		8,504		12,066	-338.71%	
135		Spinning Reserve Cost Distribution Amount	э \$	8,281	э \$		\$	5,407	-338.71%	
136		Day Ahead Supplemental Reserve Amount	э \$	(5,408)	э S	(13,688		(7,786)	143.98%	
137		Real Time Supplemental Reserve Amount	э \$	2,047	3 \$	6,746	چ \$	4,698	229.47%	
130			э \$				\$ \$		39.58%	
		Supplemental Reserve Cost Distribution Amount		1,755	\$			695	39.58%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	04 700/	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	2,014		(558)	-21.70%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	(1,128)		(2,805)	-167.31%	
144		Total MISO ASM	\$	(48,114)	\$	(32,037)	\$	16,077	-33.41%	
145										
146		Total Wholesale Market Charges	\$	(36,581)	\$	(3,099,868)	\$	(3,063,287)	8374.06%	
147										
148										
149	Purchase	d Power								
150			[PROT	ECTED DAT.	A BE	GINS				
151		Edgeley PPA	_							
152		Langdon PPA	_							
153		Ashtabula III PPA	_							
154		Tribal (WAPA)	_							Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads								
157		Small Co-gen	L							
158		Bilateral purchases	L							
159		Market Purchases	_							MISO and SPP Energy
160									ED DATA ENDS]	
161		Total Purchases	\$	7,030,153	\$	9,274,621	\$	2,244,468	31.93%	Tribal (WAPA) excluded from Total
162										
163	Wind Curt	tailment	\$	1,979	\$	(37,653)	\$	(39,632)	-2002.63%	
164										
165	Asset Bas	sed Sales	\$	3,105,685	\$	830,598	ŝ	(2,275,087)	-73,26%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	1.222.345		677.056	Š	(545,289)	-44.61%	
167		Asset Based Margins	\$	1,883,340		153,542			-91.85%	
168		a	1	,	Ť		*	,.,2,	2	
169	Steam Pla	ant Reagents	\$	-	\$	-	\$	-	٥	Effective July 2022 - Docket No. E017/GR-20-719
	Steam Fla	ant reagente	*	-	1	-	Ψ	-	U	Endourd duy Lotte Dourde No. E017/ON-20-710
			\$	-	s	-	\$	-	٥	Effective July 2022 - Docket No. E017/GR-20-719
170	Steam/Wa	ater Sales								
171	Steam/Wa	ater Sales	æ		Ť		- T			
171 172										Effective lune 2022
171 172 173		ater Sales Resource Auction Revenues	\$ \$	-	\$		\$	-		Effective June 2022
171 172 173 174	Planning			-	\$		\$	- 808.404	0	Effective June 2022 Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

			MWH				
			January 2022	January 2022		Nata	
Line	Plant Ger	eration	Forecast [PROTECTED DAT	Actual A BEGINS		Notes	
1 2		Big Stone Coyote			-		
3		Hoot Lake #2				Hoot Lake Plant Closed in May 2021	
4		Hoot Lake #3		ROTECTED DATA E	NDS]		
6		Total Coal	223,010 [PROTECTED DAT				
8		Langdon Wind		-			
9 10		Ashtabula Wind Luverne Wind		-			
11 12		Merricourt	PI	ROTECTED DATA E			
13		Total Wind	112,841	93,466			
14 15		Total Hydro	1,699	487			
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS			
18		Jamestown 2					
19 20		Lake Preston	Pi	ROTECTED DATA E	NDS]		
21 22		Total Oil - Peaking Units	- [PROTECTED DAT	36 A BEGINS			
23 24		Natural gas - Solway Natural gas - Astoria		-			
25				ROTECTED DATA E			
26 27		Total Natural Gas	36,504 [PROTECTED DAT				
28 29		Solar - Blue Jay Solar - Blue Heron					
30			PI	ROTECTED DATA E	NDS]		
31 32		Total Solar		1	L		
33 34		Total OTP-Owned	374,054	324,971			
35	Wholesal	e Market Charges					
36 37	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	L		
38 39	555.04 555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A	-		
40	555.19	RT Asset Energy Amount***	N/A	N/A			
41 42		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A	L		
43 44		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A			
45		RT Non-Asset Energy Amount***	N/A	N/A			
46 47	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A			
48 49	555.32 555.01	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A			
50	555.18	RT Mkt Admin Amount	N/A	N/A			
51 52	555.13 555.03	FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A			
53 54	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A			
55		RT Congestion	N/A	N/A			
56 57	555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A			
58 59	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A			
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A			
61 62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A			
63 64	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A			
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A			
66 67	555.07 555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A			
68 69		DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A			
70 71	555.3 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A			
72	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A			
73 74	555.25 555.27	RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A	-		
75 76	555.31	RT Uninstructed Deviation Amount	N/A N/A	N/A N/A			
77	555.63	RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A	N/A			
78 79	555.64 555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A	-		
80 81	555.55	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A			
82	555.05	DA Congestion Rebate on COGA	N/A	N/A			
83 84	555.06 555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A			
85 86		RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A N/A	N/A N/A			
87			IN/A	IN/A			
88 89		Total MISO Wholesale Market Charges					
90 91	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A			
92	555.03	DA Non-asset Energy Amount	N/A	N/A			
93 94	555.09 555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A	L		
95 96	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A			
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A			
98 99	555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A	L		
100 101	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A			
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A			
103 104		RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A			
105 106	555.12	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A			
107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A			
108 109	555.16 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A	L		
110	555.2	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A			
112	555.23	Miscellaneous Amount	N/A	N/A			
113 114		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A			
115	555.29	RT Schedule 1A3 Amount	N/A	N/A			

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 4 of 78

		RT Schedule 1A4 Amount	N/A	N/A	\vdash	<u> </u>
		DA Ramp Up Distribution Amount	N/A	N/A	<u> </u>	New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
120		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126		Total of T Thiolocale Mariet enargee				
120		MISO ASM			-	
127		Day Ahead Regulation Amount	N/A	N/A		
120		Real Time Regulation Amount	N/A	N/A	<u> </u>	
129		Regulation Cost Distribution Amount	N/A N/A	N/A N/A	<u> </u>	
					<u> </u>	
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A	L	
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
134		Day Ahead Spinning Reserve Amount	N/A	N/A		
135		Real Time Spinning Reserve Amount	N/A	N/A		
136		Spinning Reserve Cost Distribution Amount	N/A	N/A		
137		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
140		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	1	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	1	
142		Net Regulation Adjustment Amount	N/A	N/A	<u> </u>	<u> </u>
143		Total MISO ASM	IN/A	IN/A	──	h
144		Total MISO ASM			⊢	┟─────┤
145		Total Wholesale Market Charges			───	
		i otal wholesale Market Charges			⊢	
147					───	
148		18			───	
	Purchase	d Power		L	⊢	ļ
150			[PROTECTED DAT	A BEGINS	⊢	ļ
151		Edgeley PPA		_	L	
152		Langdon PPA		-	<u> </u>	
153		Ashtabula III PPA		-		
154		Tribal (WAPA)		_		Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance		-		
156		Shared Loads		-		
157		Small Co-gen		-		
158		Bilateral purchases		-		
159		Market Purchases		-	1	MISO and SPP Energy Only
160			PI	ROTECTED DATA E	NDS1	
161		Total Purchases	228,267	235,818	1001	Tribal (WAPA) excluded from Total
162		Total Purchases	220,207	233,010	⊢	
	Wind Cur	tailmont	60	(1,178)	───	
	wina Cur	taiment	60	(1,178)	—	
164	<u> </u>				───	
165	Asset Bas	sed Sales	50,050	22,411	⊢	Credit to MN FCA Calculation - Subtracted from Total
					1	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166		Fuel Costs				Based Sales
					1	Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
167		Asset Based Margins				Based Sales
168						
	Steam Pla	ant Reagents				Effective July 2022 - Docket No. E017/GR-20-719
170						
	Steam/Wa	ater Sales		-		Effective July 2022 - Docket No. E017/GR-20-719
172			-		1	
					<u> </u>	Effective June 2022
	Planning					
173	Planning	Resource Auction Revenues		-	<u> </u>	Lifective Julie 2022
173 174		Resource Auction Revenues tem - Plant Level	- 552,331	- 537,201		Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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



I			January 2022 F	orecast to Actual	- \$ per MV	Wh
	I		January 2022	January 2022		
line	Plant C	peration	Forecast [PROTECTED DAT/	Actual		Notes
1	Plant Ger	Big Stone		A BEGINS		<u> </u>
2		Coyote				
3 4		Hoot Lake #2 Hoot Lake #3				Hoot Lake plant closed in May 2021
5				PROTECTED DAT	A ENDS	
6		Total Coal	\$ 22.45 [PROTECTED DATA			
8		Langdon Wind		A BEGING		
9		Ashtabula Wind	-	_		
10		Luverne Wind Merricourt	-			
12				PROTECTED DAT	A ENDS]	
13 14	┟───┦	Total Wind	\$ -	\$ -		
15		Total Hydro		\$-		
16 17	└── ┤	Jamestown 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 2				
19		Lake Preston		PROTECTED DAT		
20 21		Total Oil - Peaking Units	\$-	\$	A ENDS	
22 23		Notural app. Solway	[PROTECTED DAT	A BEGINS		
23		Natural gas - Solway Natural gas - Astoria	_			
25		Total Natural Cas		PROTECTED DAT		
26 27	┢───┦	Total Natural Gas	\$ 36.48 [PROTECTED DATA			
28		Solar - Blue Jay	-			
29 30	┟───┦	Solar - Blue Heron		PROTECTED DAT	A ENDS1	
31		Total Solar		\$ -		
32 33	┝───┦	Total OTP-Owned	\$ 58.93	\$ 68.50		
34			÷ 30.93	÷ 00.30		
35 36	Wholesal	e Market Charges MISO Wholesale Market Charges				
36 37		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
38	555.04	DA FBT Loss Amount	N/A	N/A		
39 40	555.09 555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
41	555.24	RT Distribution of Losses Amount	N/A	N/A		
42 43	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A	<u> </u>	
44		RT Loss Amount	N/A	N/A		
45 46	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
40		DA Virtual Energy Amount	N/A	N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53		DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55 56		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
57	555.15	FTR Monthly Allocation Amount	N/A	N/A		
58 59	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
61		FTR Guarantee Uplift Amount	N/A	N/A		
62 63		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65 66		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
67	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68 69		DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
70	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71 72	555.42 555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
73	555.25	RT Misc Amount	N/A	N/A		
74 75	555.27 555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
75		RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
77	555.63	DA Ramp Product	N/A	N/A		
78 79	555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
80	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81 82		RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
83	555.06	DA Losses Rebate on COGA	N/A	N/A		
84 85		RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		<u> </u>
86	200.20	Net Congestion and Losses Adjustment & No DA Generation Schedu	N/A	N/A		
87 88	\square	Total MISO Wholesale Market Charges				
89						
90 91	555 10	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
92	555.03	DA Non-asset Energy Amount	N/A N/A	N/A N/A		
93	555.09	RT Asset Energy Amount***	N/A N/A	N/A N/A		
	555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A	N/A		
96	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98		RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
100 101		DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A	<u> </u>	
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
103		RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
104 105	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A	N/A		
106	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107		RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
	555.16		N/A	N/A		
108 109	555.17	RT Supplemental Reserve Distribution Amount				
108 109 110	555.17 555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
108 109 110 111 112	555.17 555.2 555.21 555.23	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A N/A	N/A N/A N/A		
108 109 110 111	555.17 555.2 555.21 555.23 555.26	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 6 of 78

116					-	
		RT Schedule 1A4 Amount	N/A	N/A		
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
						New charge type in 2022
		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126		Total of T This board market on argeo				
120		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
134		Day Ahead Spinning Reserve Amount	N/A	N/A		
135		Real Time Spinning Reserve Amount	N/A	N/A		
136		Spinning Reserve Cost Distribution Amount	N/A	N/A		
137		Day Ahead Supplemental Reserve Amount	N/A	N/A		
137		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
143		Total MISO ASM	19/75	19/75		
		Total MISU ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
	Purchase	2d Power				
149	Purchase	ed Power				
149 150	Purchase		[PROTECTED DAT	A BEGINS		
149 150 151	Purchase	Edgeley PPA	[PROTECTED DAT	A BEGINS		
149 150 151 152	Purchase	Edgeley PPA Langdon PPA	[PROTECTED DAT	A BEGINS		
149 150 151	Purchase	Edgeley PPA	[PROTECTED DAT	A BEGINS		
149 150 151 152 153	Purchase	Edgeley PPA Langdon PPA	[PROTECTED DAT	A BEGINS - -		Not Applicable to EAR - Excluded from Total
149 150 151 152 153 154	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	[PROTECTED DAT. - - - -	A BEGINS - - - -		Not Applicable to EAR - Excluded from Total
149 150 151 152 153 154 155	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT. - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
149 150 151 152 153 154 155 156	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DAT. - - - - -	A BEGINS - - - - -		Not Applicable to EAR - Excluded from Total
149 150 151 152 153 154 155 156 157	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DAT. - - - - - -	A BEGINS - - - - - - -		Not Applicable to EAR - Excluded from Total
149 150 151 152 153 154 155 156 157 158	Purchase	Edgeley PPA Langdon PPA Ashiabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DAT. - - - - - -	4 BEGINS - - - - -		
149 150 151 152 153 154 155 156 157 158 159	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen				Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158	Purchase	Edgeley PPA Langdon PPA Ashiabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases		A BEGINS	TA ENDS1	
149 150 151 152 153 154 155 156 157 158 159 160	Purchase	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	- - - - - -	- - - - - - - - - - - - - - - - - - -	A ENDS]	MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161	Purchase	Edgeley PPA Langdon PPA Ashiabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases		- - - - - - - - - - - - - - - - - - -	A ENDS]	
149 150 151 152 153 154 155 156 157 158 159 160 161		Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 30.80	PROTECTED DAT \$ 39.33	A ENDS]	MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	Purchase	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	- - - - - -	PROTECTED DAT \$ 39.33	A ENDS]	MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	\$ 30.80 \$ 33.02	PROTECTED DAT \$ 39.33 \$ 31.96	A ENDS]	MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 30.80	PROTECTED DAT \$ 39.33 \$ 31.96	A ENDS]	MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	\$ 30.80 \$ 33.02	PROTECTED DAT \$ 39.33 \$ 31.96	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
$\begin{array}{r} 149\\ 150\\ 151\\ 152\\ 153\\ 154\\ 155\\ 156\\ 157\\ 158\\ 159\\ 160\\ 161\\ 162\\ 163\\ 164\\ 165\\ \end{array}$	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales	\$ 30.80 \$ 33.02 \$ 62.05	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	\$ 30.80 \$ 33.02	PROTECTED DAT \$ 39.33 \$ 31.96	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
149 150 151 153 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smard Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs	\$ 30.80 \$ 33.02 \$ 62.05 N/A	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
$\begin{array}{r} 149\\ 150\\ 151\\ 152\\ 153\\ 154\\ 156\\ 156\\ 157\\ 158\\ 159\\ 160\\ 161\\ 162\\ 163\\ 164\\ 165\\ 166\\ 166\\ 167\\ \end{array}$	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales	\$ 30.80 \$ 33.02 \$ 62.05	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
149 150 151 153 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smard Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs	\$ 30.80 \$ 33.02 \$ 62.05 N/A	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
$\begin{array}{r} 149\\ 150\\ 151\\ 152\\ 153\\ 154\\ 155\\ 156\\ 157\\ 158\\ 159\\ 160\\ 161\\ 162\\ 163\\ 164\\ 166\\ 166\\ 166\\ 167\\ 168\\ \end{array}$	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	\$ 30.80 \$ 33.02 \$ 62.05 N/A	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
$\begin{array}{r} 149\\ 150\\ 151\\ 152\\ 152\\ 153\\ 156\\ 156\\ 156\\ 157\\ 158\\ 159\\ 160\\ 161\\ 162\\ 163\\ 164\\ 165\\ 166\\ 166\\ 167\\ 168\\ 169\\ 169\\ \end{array}$	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smard Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs	\$ 30.00 \$ 33.02 \$ 62.05 N/A N/A	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
$\begin{array}{r} 149\\ 150\\ 151\\ 152\\ 152\\ 153\\ 155\\ 156\\ 155\\ 156\\ 159\\ 160\\ 161\\ 162\\ 163\\ 164\\ 165\\ 166\\ 166\\ 166\\ 167\\ 168\\ 169\\ 170\\ 170\\ 170\\ 170\\ 170\\ 100\\ 100\\ 100$	Wind Cur Asset Ba Steam Pl	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 30.80 \$ 33.02 \$ 62.05 N/A N/A NA	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
$\begin{array}{r} 149\\ 150\\ 151\\ 152\\ 153\\ 154\\ 155\\ 156\\ 156\\ 157\\ 158\\ 159\\ 160\\ 161\\ 162\\ 163\\ 164\\ 165\\ 166\\ 166\\ 166\\ 166\\ 169\\ 171\\ 171\\ \end{array}$	Wind Cur Asset Ba Steam Pl	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	\$ 30.00 \$ 33.02 \$ 62.05 N/A N/A	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
149 150 151 152 153 155 156 157 158 159 161 162 163 164 165 166 167 168 169 170 172	Wind Cur Asset Ba Steam Pl Steam/W	Edgeley PPA Langdon PPA Ashitabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 30.80 \$ 33.02 \$ 62.05 N/A N/A NA NA	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A N/A NA NA	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
149 150 151 152 153 155 156 157 158 159 161 162 163 164 165 166 167 168 169 170 172	Wind Cur Asset Ba Steam Pl Steam/W	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 30.80 \$ 33.02 \$ 62.05 N/A N/A NA	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
149 150 151 152 153 155 156 157 158 159 161 162 163 164 165 166 167 168 169 170 172	Wind Cur Asset Ba Steam Pl Steam/W	Edgeley PPA Langdon PPA Ashitabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 30.80 \$ 33.02 \$ 62.05 N/A N/A NA NA	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A N/A NA NA	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
149 150 151 152 153 154 155 156 157 158 157 158 161 162 163 164 165 164 165 166 167 168 168 169 170 171 172	Wind Cur Asset Ba Steam Pl Steam/W Planning	Edgeley PPA Langdon PPA Ashiabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents at Reagents ater Sales Resource Auction Revenues	\$ 30.80 \$ 33.02 \$ 62.05 N/A N/A NA N/A	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A N/A NA NA	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022
149 150 151 152 153 154 155 156 157 158 157 158 161 162 163 164 165 164 165 166 167 168 168 169 170 171 172	Wind Cur Asset Ba Steam Pl Steam/W Planning	Edgeley PPA Langdon PPA Ashitabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 30.80 \$ 33.02 \$ 62.05 N/A N/A NA NA	PROTECTED DAT \$ 39.33 \$ 31.96 \$ 37.06 N/A N/A NA NA	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 7 of 78

			February	2022 Forecast to	o Actual - Expens	e (Revenue)	
			February 2022 Forecast	February 2022 Actual			Natas
Line	Plant Ger		[PROTECTED DAT	A BEGINS			Notes
2		Big Stone Coyote	-				
3		Hoot Lake #2 Hoot Lake #3	-				Hoot Lake plant closed in May 2021
5						ED DATA ENDS]	
6		Total Coal	\$ 4,621,069 [PROTECTED DATA		\$ (791,379)	-17.13%	
8		Langdon Wind			•		
9 10		Ashtabula Wind Luverne Wind	-				
11 12		Merricourt			PROTECT	ED DATA ENDS	
13		Total Wind	\$-	\$-	\$ -	0	
14 15		Total Hydro	\$ -	\$-	\$ -	0	
16 17		Jamestown 1	[PROTECTED DAT/	A BEGINS			
18		Jamestown 2	-				
19 20		Lake Preston			PROTECT	ED DATA ENDSI	
21		Total Oil - Peaking Units	\$ - [PROTECTED DAT/	\$ 3,694	\$ 3,694	0	
22 23		Natural gas - Solway	-	A BEOING	1		
24 25		Natural gas - Astoria			PROTECT	ED DATA ENDS	
26 27		Total Natural Gas	\$ 912,785 [PROTECTED DAT/				
28		Solar - Blue Jay	PROTECTED DATA	A BEGINS	ł	ł	
29 30		Solar - Blue Heron			PROTECT	ED DATA ENDS]	
31		Total Solar	\$-	\$-	\$ -	0	
32 33		Total OTP-Owned	\$ 5,533,854	\$ 4,685,820	\$ (848,034)	-15.32%	
34 35	Wholesal	e Market Charges					
36		MISO Wholesale Market Charges	¢.	¢		· .	Factors Amounts included and other district Martin S.
37 38	555.04	DA Asset Energy Amount*** DA FBT Loss Amount	\$ - \$ -		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
39 40	555.09 555.19	DA Non-asset Energy Amount***	\$ - \$ -	\$ -	\$ - \$ -		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
41	555.24	RT Distribution of Losses Amount	\$ (146,365)	\$ (434,740)	\$ (288,376)	197.03%	
42	555.21	RT FBT Loss Amount DA Loss Amount	\$ - \$ 398,253	\$ - \$ 889,276	\$ - \$ 491,022	0 123.29%	
44	555.26		\$ 18,011 \$ -	\$ 112,165 \$ -	\$ 94,153	522.75%	Energy Amounts - included/embedded within Market Purchases
45	555.08	DA Losses Rebate on Option B GFA		• - \$-	s -	0	
47 48	555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount	<u>s</u> -	<u>\$</u> - \$-	<u>s</u> - s -	0	
49	555.01	DA Mkt Admin Amount	\$ 76,448	\$ 49,850	\$ (26,598)	-34.79%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51	555.18 555.13	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 8,395 \$ 2,075			-8.27%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53	555.03	DA FBT Congestion Amount DA Congestion	\$ - \$ 225,315	\$ - \$ 4,357,440	\$ - \$ 4,132,125	0 1833.93%	
54	555.20	RT FBT Congestion Amount	\$-	\$-	\$ -	0	
55 56	555.14	RT Congestion FTR Hourly Allocation Amount	\$ 23,878 \$ (398,907)			-965.73% 1862.38%	
57 58	555.15 555.17		\$ (22,501) \$ (0)		\$ (204,416) \$ 0	908.46%	
59	555.35	FTR Monthly Transaction Amount	\$ (16,611)	\$ -	\$ 16,611	-100.00%	
60 61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ (12,040) \$ 9,291	\$ (43,310) \$ 43,310		259.73% 366.14%	
62 63	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (317,882) \$ 315,506			366.53% 369.15%	
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 3,399	\$ 7,376	\$ 3,977	117.00%	
65 66	555.41 555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ (27,546) \$ -	\$-	\$-	141.24% 0	
67 68	555.10 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 10,237 \$ (4,578)	\$ 15,052 \$ (3,192)		47.03%	
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 24,160	\$ 5,085	26.66%	
70 71	555.30 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (7,792) \$ (15,936)	\$ - \$ (31,181)	\$ 7,792 \$ (15,245)	-100.00% 95.67%	
72 73	555.28 555.25	RT Revenue Neutrality Uplift Amount	\$ 47,497 \$ 12.002	\$ 103,667	\$ 56,170	118.26% -117.26%	
74	555.27	RT Net Inadvertent Amount	\$ 845	\$ (3,084)	\$ (3,930)	-464.90%	
75 76	555.59		\$ - \$ 9,256			0 289.22%	
	555.63	DA Ramp Product	\$ (826) \$ (27)	\$ (4,118)	\$ (3,292)	398.66%	
79	555.65	RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 7,185	\$ (3,619)	-33.49%	
80 81		RT ASM Excessive Energy Amount***			\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
82 83	555.05	DA Congestion Rebate on COGA	\$-	\$-	\$ - \$ -	0	
84	555.22	RT Congestion Rebate on COGA	\$ -	\$ -	\$ -	0	
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul		\$ - \$ 119,177		0	
87 88		Total MISO Wholesale Market Charges			\$ (3,271,082)	-2471 35%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89							
90 91					ş -		Energy Amounts - included/embedded within Market Purchases
92 93	555.03	DA Non-asset Energy Amount			\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
94	555.00	RT Non-Asset Energy Amount	\$-	\$-	ş -	0	
95 96	555.10	RT Make-Whole-Payment Distribution Amount	\$ - \$ 235	\$ 1	\$ (234)	-99.46%	
97 98	555.18 555.15		\$ - \$ 22		\$ - \$ (20)	-90.73%	
99	555.04	DA Regulation-Down Distribution Amount	\$ 15	\$ 0	\$ (15)	-99.15%	
100	555.06	DA Spinning Reserve Distribution Amount	\$ 27 \$ 29	\$ 0	\$ (27) \$ (29)		
102 103	555.07	DA Supplemental Reserve Distribution Amount	\$ 4 \$ (0)		\$ (4) \$ 0		
104	555.11	RT Over-Collected Losses Distribution Amount	\$ (9,407)	\$ (22,768)	\$ (13,361)	142.03%	
105 106		RT Regulation Non-Performance Distribution Amount	\$ (0) \$ (0)	\$-	\$ 0 \$ 0	-100.00%	
107 108	555.14	RT Regulation-Up Distribution Amount	\$ (1) \$ (0)	\$ -	\$ 1 \$ 0	-100.00%	
109	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
110 111	555.21	RT Pseudo Tie Loss Amount	\$ (82,086) \$ (21,383)		\$ 2,367	-11.07%	
112 113	555.23	Miscellaneous Amount	\$ (5) \$ -	\$ (208)		4040.00%	
114	555.28	RT Demand Reduction Distribution Amount	\$ (0)	\$-	\$ 0		
115	555.29	RT Schedule 1A3 Amount	\$ 3	» 0	\$ (3)	-98.28%	1

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 8 of 78

							-	
116	555.30	RT Schedule 1A4 Amount	\$ 1	8 \$	\$0	\$ (1	3) -98.30%	
117	555.31	DA Ramp Up Distribution Amount	\$-	40	\$-	\$-	(New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$-	9	ş -	s -	(New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$ -	9	5 -	s -	(New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	s -	9	5 -	s -	(New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$ -	9	5 -	s -		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount		4 5				
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount		0) 9			-100.00%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ -	9		\$ -	100.00/	
125	555.21		\$ (123,32			\$ 124,36	-100.84%	
125		Total SFF Wholesale walket charges	ş (123,32	J) (φ 1,034	\$ 124,30	-100.047	
120		MISO ASM		_			-	
127		Day Ahead Regulation Amount	\$ (62,91	2) (\$ (24,408)	\$ 38,50	-61.20%	
120								
129		Real Time Regulation Amount	\$ 6,68 \$ 24.01					
		Regulation Cost Distribution Amount	÷ = .,			\$ (3,90		
131		Day Ahead Short-Term Reserve Amount	<u> </u>	5				
132		Real Time Short-Term Reserve Amount	\$ -	5		\$ 1,00		
133	L	Short-Term Reserve Cost Distribution Amount	\$ -	3		\$ 10,05		
134		Day Ahead Spinning Reserve Amount	\$ (17,59			\$ (23,75		
135		Real Time Spinning Reserve Amount		4 3		\$ 82		
136		Spinning Reserve Cost Distribution Amount	\$ 19,12			\$ (4,92		
137		Day Ahead Supplemental Reserve Amount	\$ (16,02			\$ 4,53		
138		Real Time Supplemental Reserve Amount	\$ 4,04			\$ 40		
139		Supplemental Reserve Cost Distribution Amount	\$ 5,91	8 3	\$ 2,291	\$ (3,62	61.28%	
140		Contingency Reserve Deployment Failure Charge Amount	\$-	9	ş -	\$ -	(
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ 2,57	2 3	\$ 2,560	\$ (1	-0.48%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$-	9	ş -	s -	(
143		Net Regulation Adjustment Amount	\$ 1.67	6 3	\$ 4.118	\$ 2.44	2 145.66%	
144		Total MISO ASM	\$ (29.76	0) 5	\$ (70,465)	\$ (40.70	5) 136.78%	
145						• • • • •		
		Total Wholesale Market Charges	\$ (9.91	4) 5	\$ (3.208.153)	\$ (3.198.23	3) 32258.49%	
146		Total Wholesale Market Charges	\$ (9,91	4) :	\$ (3,208,153)	\$ (3,198,23	3) 32258.49%	
146 147		Total Wholesale Market Charges	\$ (9,91	4) \$	\$ (3,208,153)	\$ (3,198,23	3) 32258.49%	
146 147 148	Purchase		\$ (9,91	4) 5	\$ (3,208,153)	\$ (3,198,23	32258.49%	
146 147 148 149	Purchase	ed Power				\$ (3,198,23	32258.49%	
146 147 148 149 150	Purchase	ed Power	\$ (9,91			\$ (3,198,23	3) 32258.49%	
146 147 148 149 150 151	Purchase	ed Power Edgeley PPA				\$ (3,198,23	3) 32258.49%	
146 147 148 149 150 151 152	Purchase	ed Power Edgeley PPA Langdon PPA				\$ (3,198,23	32258.49%	
146 147 148 149 150 151 152 153	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA				\$ (3,198,23	32258.49%	Let Annihokia ta FAD. Funkudad form Tatal
146 147 148 149 150 151 152 153 154	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)				\$ (3,198,23	32258.49%	Not Applicable to EAR - Excluded from Total
146 147 148 149 150 151 152 153 154 155	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) MaPA Energy Imbalance				\$ (3,198,23	32258.49%	Not Applicable to EAR - Excluded from Total
146 147 148 149 150 151 152 153 154 155 156	Purchase	ed Power Edgeley PPA Edgeley PPA Endgon PPA Tribal (II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads				\$ (3,198,23	32258.49%	Not Applicable to EAR - Excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Marka Company Shared Loads Small Co-gen				\$ (3,198,23	32258.49%	Not Applicable to EAR - Excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157 158	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases				\$ (3,198,23	32258.49%	
146 147 148 149 150 151 152 153 154 155 156 157 158 159	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Marka Company Shared Loads Small Co-gen						Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases	[PROTECTED D/		BEGINS	PROTE(TED DATA ENDS)	MISO and SPP Energy Only
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED D/			PROTE(TED DATA ENDS)	
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	[PROTECTED D/ - - - - - - - - - - - - - - - - - - -		BEGINS 8 10,051,854	PROTE(\$ 3,190,17	TED DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	[PROTECTED D/ - - - - - - - - - - - - - - - - - - -		BEGINS 8 10,051,854	PROTE(TED DATA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases Total Purchases Total Purchases	IPROTECTED D/ 	0 \$	BEGINS 8 10,051,854 \$ 569	PROTE(\$ 3,190,17 \$ (3,47	TED DATA ENDS) 46.49% -85.90%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	ed Power Edgeley PPA Edgeley PPA Eangdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ssed Sales	[PROTECTED D/ 	0 \$ 9 \$	BEGINS 6 10,051,854 5 569 8 848,922	PROTE(\$ 3,190,17 \$ (3,47 \$ (706,06	TED DATA ENDS) 46.497 () -85.907 () -45.417	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment Sed Sales Fluel Costs	[PROTECTED D/ 	00 \$ 99 \$ 11 \$	BEGINS b 10,051,854 5 569 \$ 848,922 \$ 667,553	PROTE(\$ 3,190,17 \$ (3,47 \$ (706,06 \$ (247,33	TED DATA ENDS) 1 46.49% 1 - 46.59% 1 - 45.49% 1 - 45.49% 1 - 45.41% 1 - 45.41% 1 - 45.41% 1 - 45.41% 1 - 45.41% 1 - 45.41% 1 - 45.45% 1 -	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Wind Cur	ed Power Edgeley PPA Edgeley PPA Eangdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment ssed Sales	[PROTECTED D/ 	00 \$ 99 \$ 11 \$	BEGINS b 10,051,854 5 569 \$ 848,922 \$ 667,553	PROTE(\$ 3,190,17 \$ (3,47 \$ (706,06	TED DATA ENDS) 1 46.49% 1 - 46.59% 1 - 45.49% 1 - 45.49% 1 - 45.41% 1 - 45.41% 1 - 45.41% 1 - 45.41% 1 - 45.41% 1 - 45.41% 1 - 45.45% 1 -	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment Sed Sales Fluel Costs	[PROTECTED D/ 	00 \$ 99 \$ 11 \$	BEGINS b 10,051,854 5 569 \$ 848,922 \$ 667,553	PROTE(\$ 3,190,17 \$ (3,47 \$ (706,06 \$ (247,33	TED DATA ENDS) TED DATA ENDS) 0) 46.499 0) -85.907 0) -45.419 0) -45.419 0) -71.67%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167	Wind Cur	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment Sed Sales Fluel Costs	[PROTECTED D/ 	00 \$ 99 \$ 11 \$	BEGINS 8 10,051,854 5 569 8 848,922 \$ 667,553 \$ 181,369	PROTE(\$ 3,190,17 \$ (3,47 \$ (706,06 \$ (247,33	TED DATA ENDS) TED DATA ENDS) 0) 46.499 0) -85.907 0) -45.419 0) -45.419 0) -71.67%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 166	Wind Cur	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) Small Co-gen Bilateral purchases Market Purchases Total Purchases Frailment Frailment Frailment Frail Costs Frail Costs Frail Costs Asset Based Margins	(PROTECTED D/ 	0 \$ 9 \$ 11 \$ 77 \$	BEGINS 8 10,051,854 5 569 8 848,922 \$ 667,553 \$ 181,369	PROTE \$ 3,190,17 \$ (3,47 \$ (706,06 \$ (247,33 \$ (458,73	TED DATA ENDS) TED DATA ENDS) 0) 46.499 0) -85.907 0) -45.419 0) -45.419 0) -71.67%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
146 147 148 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind Cur Asset Ba Steam Pl	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Tribal (WAPA) Small Co-gen Bilateral purchases Market Purchases Total Purchases Frailment Frailment Frailment Frail Costs Frail Costs Frail Costs Asset Based Margins	(PROTECTED D/ 	0 \$ 9 \$ 11 \$ 77 \$	BEGINS 8 10,051,854 \$ 569 \$ 848,922 \$ 667,553 \$ 181,369 \$ -	PROTE \$ 3,190,17 \$ (3,47 \$ (706,06 \$ (247,33 \$ (458,73	TED DATA ENDS] TED DATA ENDS] 10 -45.409 10 -45.409 10 -45.410 10 -27.03% 10 -27.03% 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168	Wind Cur Asset Ba Steam Pl	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment seed Sales Fuel Costs Fuel Costs Asset Based Margins ant Reagents	(PROTECTED D/ 	0 \$ 9 \$ 11 \$ 3 \$	BEGINS 8 10,051,854 \$ 569 \$ 848,922 \$ 667,553 \$ 181,369 \$ -	PROTEC \$ 3,190,17 \$ (706,06 \$ (247,33 \$ (458,73 \$ -	TED DATA ENDS] TED DATA ENDS] 10 -45.409 10 -45.409 10 -45.410 10 -27.03% 10 -27.03% 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 170	Wind Cu Asset Ba Steam/W	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Sharato Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Tailment Total Purchases Tailment Total Purchases Tailment Total Purchases Tailment Tail	(PROTECTED D/ 	0 \$ 9 \$ 11 \$ 3 \$	BEGINS 8 10,051,854 \$ 569 \$ 848,922 \$ 667,553 \$ 181,369 \$ - \$ -	PROTEC \$ 3,190,17 \$ (706,06 \$ (247,33 \$ (458,73 \$ -	TED DATA ENDS TED DATA ENDS 0 46.499 0 -85.907 0 -45.419 0 -71.67% 0 0 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 170	Wind Cu Asset Ba Steam/W	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Small Co-gen Bilateral purchases Market Purchases Total Purchases rtailment seed Sales Fuel Costs Fuel Costs Asset Based Margins ant Reagents	(PROTECTED D/ 	0 \$ 9 \$ 3 3	BEGINS 8 10,051,854 \$ 569 \$ 848,922 \$ 667,553 \$ 181,369 \$ - \$ -	PROTE \$ 3,190,17 \$ (70,67) \$ (706,60) \$ (247,33) \$ (458,73) \$ - \$ - \$ -	TED DATA ENDS TED DATA ENDS 0 46.499 0 -85.907 0 -45.419 0 -71.67% 0 0 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 170 177 173	Wind Cur Asset Ba Steam Pl Steam/W Planning	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Sharato Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Tailment Total Purchases Tailment Total Purchases Tailment Total Purchases Tailment Tail	(PROTECTED D/ - - - - - - - - - - - - - - - - - - -	0 \$ 9 \$ 1 \$ 3 \$ 4 \$	BEGINS 8 10,051,854 \$ 569 \$ 848,922 \$ 667,553 \$ 181,369 \$ - \$ -	PROTE \$ 3,190,17 \$ (70,67) \$ (706,60) \$ (247,33) \$ (458,73) \$ - \$ - \$ -	TED DATA ENDS TED DATA ENDS 0) - 46.49% 0) - 45.90% 0) - 45.41% 0) - 71.67% 0 0 0 0 0 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

7 IPROTECTED DATA BEGINS 8 Langdon Wind PROTECTED DATA BEGINS 9 Ashtabula Wind PROTECTED DATA BEGINS 10 Luverne Wind PROTECTED DATA BEGINS 11 Merricourt PROTECTED DATA BEGINS 12 PROTECTED DATA BEGINS PROTECTED DATA BEGINS 14 PROTECTED DATA BEGINS PROTECTED DATA BEGINS 16 PROTECTED DATA BEGINS PROTECTED DATA BEGINS 17 Jamestown 1 IPROTECTED DATA BEGINS 18 Jamestown 2 PROTECTED DATA BEGINS 20 PROTECTED DATA BEGINS PROTECTED DATA BEGINS 21 Total Oil - Peaking Units PROTECTED DATA BEGINS 22 PROTECTED DATA BEGINS PROTECTED DATA BEGINS 23 Natural gas - Solway PROTECTED DATA BEGINS 24 Natural gas - Astoria PROTECTED DATA BEGINS 25 Total Natural Gas 25,047	Z2022 Notes al Notes Hoot Lake plant closed in May 2021 Notes DATA ENDS] Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 DATA ENDS] Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021 Image: Closed in May 2021
Line Plant Generation IPROTECTED DATA BEGINS 1 Big Stone	Arr ENDS] DATA ENDS] DATA ENDS] DATA ENDS] Arr ENDS] Arr ENDS] DATA ENDS] Arr ENDS Arr ENDS] Arr ENDS Arr
1 Big Stone	DATA ENDS] DATA ENDS] DATA ENDS] A47
3 Hoot Lake #2 PROTECTED D 4 Hoot Lake #3 PROTECTED D 6 Total Coal 200,472 7 IPROTECTED D IPROTECTED D 8 Langdon Wind IPROTECTED D 9 Ashtabula Wind PROTECTED D 10 Luverne Wind PROTECTED D 11 Merricourt PROTECTED D 12 Total Wind PROTECTED D 13 Total Wind PROTECTED D 14 PROTECTED D PROTECTED DATA BEGINS 15 Total Hydro 1,534 16 Jamestown 1 PROTECTED DATA BEGINS 17 Jamestown 2 PROTECTED D 20 Total Oil - Peaking Units PROTECTED D 21 Total Oil - Peaking Units PROTECTED D 22 Natural gas - Solway PROTECTED D 24 Natural gas - Astoria PROTECTED D 25 Total Natural Gas 25,047	DATA ENDS] DATA ENDS] DATA ENDS] A47
4 Hoot Lake #3 PROTECTED D 5 PROTECTED D 10 7 IPROTECTED DATA BEGINS 8 Langdon Wind 9 Ashtabula Wind 10 Luverne Wind 11 Merricourt 12 PROTECTED DATA BEGINS 13 Total Wind 14 PROTECTED DATA BEGINS 15 Total Wind 16 PROTECTED DATA BEGINS 17 Jamestown 1 18 Jamestown 2 19 Lake Preston 20 PROTECTED DATA BEGINS 21 Total Oil - Peaking Units 22 PROTECTED DATA BEGINS 23 Natural gas - Solway 24 Natural gas - Satoria 25 Total Natural Gas 26 Total Natural Gas	DATA ENDS] DATA ENDS] DATA ENDS] A47
6 Total Coal 200,472 11 7 IPROTECTED DATA BEGINS IPROTECTED DATA BEGINS 9 Ashtabula Wind IPROTECTED DATA BEGINS 10 Luverne Wind IPROTECTED DATA BEGINS 11 Merricourt IPROTECTED DATA BEGINS 12 IPROTECTED DATA BEGINS 13 Total Wind 105,026 14 IPROTECTED DATA BEGINS 15 Total Hydro 1,534 16 IPROTECTED DATA BEGINS 17 Jamestown 1 IPROTECTED DATA BEGINS 18 Jamestown 2 PROTECTED DATA BEGINS 20 PROTECTED DATA BEGINS PROTECTED DATA BEGINS 21 Total Oil - Peaking Units PROTECTED DATA BEGINS 22 IPROTECTED DATA BEGINS PROTECTED DATA BEGINS 23 Natural gas - Astoria PROTECTED DATA BEGINS 24 Natural gas - Ástoria PROTECTED DATA BEGINS 25 PROTECTED DATA BEGINS PROTECTED DATA BEGINS 26 Total Natural	66,702 DATA ENDS] 447
8 Langdon Wind 9 Ashtabuk Wind 10 Luverne Wind 11 Merricourt 12 PROTECTED D 13 Total Wind 105,028 14 PROTECTED D 15 Total Hydro 1,634 16 PROTECTED DATA BEGINS 17 Jamestown 1 PROTECTED DATA BEGINS 18 Jamestown 2 PROTECTED D 20 PROTECTED D PROTECTED D 21 Total Oil - Peaking Units PROTECTED D 22 PROTECTED D PROTECTED D 23 Natural gas - Solway PROTECTED D 24 Natural gas - Astoria PROTECTED D 25 Total Natural Gas 25,047	447
9 Ashtabula Wind	447
11 Merricourt PROTECTED D 12 PROTECTED D 13 Total Wind 105,026 14 Total Wind 105,026 15 Total Hydro 1,534 16 Jarnestown 1 IPROTECTED DATA BEGINS 17 Jarnestown 2 PROTECTED DATA BEGINS 19 Lake Preston PROTECTED DATA BEGINS 20 Total Oil - Peaking Units IROTECTED DATA BEGINS 21 Total Oil - Peaking Units IROTECTED DATA BEGINS 22 IPROTECTED DATA BEGINS IROTECTED DATA BEGINS 23 Natural gas - Solway PROTECTED DATA BEGINS 24 Natural gas - Astoria PROTECTED DATA BEGINS 25 Total Natural Gas 25,047	447
12 PROTECTED D 13 Total Wind 105,026 14 Total Wind 105,026 15 Total Hydro 1,534 16 Jamestown 1 IPROTECTED DATA BEGINS 17 Jamestown 2	447
14 Total Hydro 1,534 15 Total Hydro 1,534 16 IPROTECTED DATA BEGINS IPROTECTED DATA BEGINS 17 Lamestown 1 IPROTECTED DATA BEGINS 18 Jamestown 2 IPROTECTED DATA BEGINS 19 Lake Preston IPROTECTED DATA BEGINS 20 Total Oil - Peaking Units PROTECTED DATA BEGINS 21 Total Oil - Peaking Units PROTECTED DATA BEGINS 22 IPROTECTED DATA BEGINS IPROTECTED DATA BEGINS 23 Natural gas - Solway IPROTECTED DATA BEGINS 24 Natural gas - Astoria PROTECTED D 25 Total Natural Gas 25,047	447
15 Total Hydro 1,534 16 (PROTECTED DATA BEGINS 17 Jamestown 1 (PROTECTED DATA BEGINS 18 Jamestown 2	
17 Jamestown 1	DATA ENDS]
18 Jamestown 2 Image: Constraint of the second sec	DATA ENDS]
20 PROTECTED D 21 Total Oil - Peaking Units 22 PROTECTED DATA BEGINS 23 Natural gas - Solway 24 Natural gas - Astoria 25 PROTECTED DATA BEGINS 26 Total Natural Gas	DATA ENDS]
21 Total Oil - Peaking Units - 22 IPROTECTED DATA BEGINS 23 Natural gas - Solway - 24 Natural gas - Astoria - 25 PROTECTED DATA BEGINS 26 Total Natural Gas 25,047	• [
23 Natural gas - Solway 24 Natural gas - Astoria 25 PROTECTED D 26 Total Natural Gas 25,047	
24 Natural gas - Astoria 25 PROTECTED D 26 Total Natural Gas 25,047	······
26 Total Natural Gas 25,047	
	16,397
27 [PROTECTED DATA BEGINS 28 Solar - Blue Jay	
29 Solar - Blue Heron	
30 PROTECTED D 31 Total Solar -	DATA ENDS] 10
32	
33 Total OTP-Owned 332,079 25 34 25	253,479
35 Wholesale Market Charges	
36 MISO Wholesale Market Charges 37 555.02 DA Asset Energy Amount*** N/A	N/A
38 555.04 DA FBT Loss Amount N/A	N/A N/A
40 555.19 RT Asset Energy Amount*** N/A	N/A
41 555.24 RT Distribution of Losses Amount N/A 42 555.21 RT FBT Loss Amount N/A	N/A N/A
43 DA Loss Amount N/A	N/A
44 RT Loss Amount N/A 45 555.26 RT Non-Asset Energy Amount*** N/A	N/A N/A
46 555.08 DA Losses Rebate on Option B GFA N/A	N/A
47 555.12 DA Virtual Energy Amount N/A 48 555.32 RT Virtual Energy Amount N/A	N/A N/A
49 555.01 DA Mkt Admin Amount N/A	N/A
50 555.18 RT Mkt Admin Amount N/A 51 555.13 FTR Mkt Admin Amount N/A	N/A N/A
52 555.03 DA FBT Congestion Amount N/A	N/A
53 DA Congestion N/A 54 555.2 RT FBT Congestion Amount N/A	N/A N/A
55 RT Congestion N/A	N/A
56 555.14 FTR Hourly Allocation Amount N/A 57 555.15 FTR Monthly Allocation Amount N/A	N/A N/A
58 555.17 FTR Yearly Allocation Amount N/A 59 555.35 FTR Monthly Transaction Amount N/A	N/A N/A
60 555.36 FTR Full Funding Guarantee Amount N/A	N/A
61 555.37 FTR Guarantee Uplift Amount N/A 62 555.39 FTR Auction Revenue Rights Transaction Amount N/A	N/A N/A
63 555.38 FTR Annual Transaction Amount N/A	N/A
64 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount N/A 65 555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount N/A	N/A N/A
66 555.07 DA Congestion Rebate on Option B GFA N/A	N/A
67 555.1 DA Revenue Sufficiency Guarantee Distribution Amount N/A 68 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A	N/A N/A
69 555.29 RT Revenue Sufficiency Guarantee First Pass Distribution Amount N/A	N/A
70 555.3 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount N/A 71 555.42 RT Price Volatility Make Whole Payment N/A	N/A N/A
72 555.28 RT Revenue Neutrality Uplift Amount N/A	N/A N/A
74 555.27 RT Net Inadvertent Amount N/A	N/A
75 555.31 RT Uninstructed Deviation Amount N/A 76 555.59 RT Demand Response Allocation Uplift Amount N/A	N/A N/A
77 555.63 DA Ramp Product N/A	N/A
78 555.64 RT Ramp Product N/A 79 555.65 RT Schedule 49 Cost Distribution Amount N/A	N/A N/A
80 555.55 RT ASM Non-Excessive Energy Amount*** N/A	N/A
81 555.56 RT ASM Excessive Energy Amount*** N/A 82 555.05 DA Congestion Rebate on COGA N/A	N/A N/A
83 555.06 DA Losses Rebate on COGA N/A	N/A
84 555.22 RT Congestion Rebate on COGA N/A 85 555.23 RT Loss Rebate on COGA N/A	N/A N/A
86 Net Congestion and Losses Adjustment & No DA Generation Schedu N/A	N/A
87 88 Total MISO Wholesale Market Charges	
89 90 SPP Wholesale Market Charges	
91 555.19 DA Asset Energy Amount*** N/A	N/A
92 555.03 DA Non-asset Energy Amount N/A	N/A
94 555 RT Non-Asset Energy Amount N/A	N/A N/A
95 555.02 DA Make-Whole-Payment Distribution Amount N/A 96 555.1 RT Make-Whole-Payment Distribution Amount N/A	N/A N/A
97 555.18 RT Revenue Sufficiency Guarantee Distribution Amount N/A	N/A
98 555.15 RT Revenue Neutrality Uplift Distribution Amount N/A 99 555.04 DA Regulation-Down Distribution Amount N/A	N/A N/A
100 555.05 DA Regulation-Up Distribution Amount N/A	N/A
101 555.06 DA Spinning Reserve Distribution Amount N/A 102 555.07 DA Supplemental Reserve Distribution Amount N/A	N/A N/A
103 555.08 RT Contingency Reserve Deployment Failure Amount N/A	N/A
104 555.11 RT Over-Collected Losses Distribution Amount N/A 105 555.12 RT Regulation-Down Distribution Amount N/A	N/A N/A
106 555.13 RT Regulation Non-Performance Distribution Amount N/A	N/A
107 555.14 RT Regulation-Up Distribution Amount N/A 108 555.16 RT Spinning Reserve Distribution Amount N/A	N/A N/A
109 555.17 RT Supplemental Reserve Distribution Amount N/A	N/A
110 555.2 RT Pseudo Tie Congestion Amount N/A 111 555.21 RT Pseudo Tie Loss Amount N/A	N/A N/A
112 555.23 Miscellaneous Amount N/A	N/A
113 555.26 ARR Closeout Yearly Amount N/A 114 555.28 RT Demand Reduction Distribution Amount N/A	N/A N/A
115 555.29 RT Schedule 1A3 Amount N/A	N/A

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 10 of 78

		RT Schedule 1A4 Amount	N/A	N/A		
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125	555.21	Total SPP Wholesale Market Charges	TNPA	19/73		
126		Total of T Wholesale market onarges				
120		MISO ASM				
			N1/A	NI/A		
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
134		Day Ahead Spinning Reserve Amount	N/A	N/A		
135		Real Time Spinning Reserve Amount	N/A	N/A		
136		Spinning Reserve Cost Distribution Amount	N/A	N/A		
137		Day Ahead Supplemental Reserve Amount	N/A	N/A	1	
138	1	Real Time Supplemental Reserve Amount	N/A	N/A	1	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	1	
139		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A N/A		
			N/A N/A	N/A N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount				
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
	Purchase	d Power				
150			[PROTECTED DAT	A BEGINS		
151		Edgeley PPA				
152		Langdon PPA		-		
153		Ashtabula III PPA		-		
154		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance		-		
156		Shared Loads				
157				-		
				-		
		Small Co-gen		-		
158		Small Co-gen Bilateral purchases		-		NICO and SDD Factory Only
159		Small Co-gen				MISO and SPP Energy Only
159 160		Small Co-gen Bilateral purchases Market Purchases		ROTECTED DATA E	NDS]	
159 160 161		Small Co-gen Bilateral purchases	Pi 209,223	ROTECTED DATA E 242,489	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
159 160 161 162		Small Co-gen Bilateral purchases Market Purchases Total Purchases	209,223	242,489	NDS]	
159 160 161 162 163	Wind Cur	Small Co-gen Bilateral purchases Market Purchases Total Purchases			NDS]	
159 160 161 162 163 164		Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment	209,223 122	242,489 20	NDS]	Tribal (WAPA) excluded from Total
159 160 161 162 163 164		Small Co-gen Bilateral purchases Market Purchases Total Purchases	209,223	242,489	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
159 160 161 162 163 164		Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment	209,223 122	242,489 20	NDS]	Tribal (WAPA) excluded from Total
159 160 161 162 163 164		Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment	209,223 122	242,489 20	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
159 160 161 162 163 164 165		Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales	209,223 122	242,489 20	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
159 160 161 162 163 164 165		Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs	209,223 122	242,489 20	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
159 160 161 162 163 164 165 166 167		Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales	209,223 122	242,489 20	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
159 160 161 162 163 164 165 166 167 168	Asset Ba	Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	209,223 122 37,284	242,489 20 21,867	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Based Sales Based Sales
159 160 161 162 163 164 165 166 166 167 168 169	Asset Ba	Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs	209,223 122	242,489 20	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
159 160 161 162 163 164 165 166 167 168 169 170	Asset Bas Steam Pla	Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	209,223 122 37,284	242,489 20 21,867	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
159 160 161 162 163 164 165 166 166 167 168 169 170 171	Asset Bas Steam Pla	Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	209,223 122 37,284	242,489 20 21,867	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Based Sales Based Sales
159 160 161 162 163 164 165 166 166 167 168 169 170 171 171	Asset Ba Steam Pla Steam/Wa	Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	209,223 122 37,284	242,489 20 21,867 - -		Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
159 160 161 163 163 164 165 166 167 168 169 170 171 172 173	Asset Ba Steam Pla Steam/Wa	Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	209,223 122 37,284	242,489 20 21,867	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Asset Bas Steam PI: Steam/Wa Planning	Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	209,223 122 37,284	242,489 20 21,867 - -	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719



	r		February 2022	Forecast to Actua	l - \$ ner M	Wh
	<u> </u>		February 2022 February 2022	February 2022	yµerM 	
			Forecast	Actual		Notes
	Plant Ger		[PROTECTED DAT.			
1		Big Stone Coyote	-		-	
3		Hoot Lake #2	-			Hoot Lake plant closed in May 2021
4		Hoot Lake #3				
5		Total Coal	\$ 23.05	PROTECTED DAT \$ 23.83		
7			[PROTECTED DAT			
8		Langdon Wind	-			
9 10		Ashtabula Wind Luverne Wind	-			
11		Merricourt	-			
12				PROTECTED DAT	A ENDS]	
13 14		Total Wind	\$-	\$-		
15		Total Hydro	s -	s -		
16			PROTECTED DAT			
17 18		Jamestown 1 Jamestown 2	-	-		
19		Lake Preston	-			
20				PROTECTED DAT	A ENDS	
21 22		Total Oil - Peaking Units	\$ - [PROTECTED DAT.			
23		Natural gas - Solway		beomon		
24		Natural gas - Astoria		PROTECTED DAT		
25 26		Total Natural Gas	\$ 36.44	PROTECTED DAT \$ 51.99	A ENDS	
27			PROTECTED DAT			
28		Solar - Blue Jay	-			
29 30	ł – –	Solar - Blue Heron		PROTECTED DAT	A ENDS1	
31		Total Solar		\$ -		
32						
33 34	<u> </u>	Total OTP-Owned	\$ 59.49	\$ 75.82		
35	Wholesa	e Market Charges				
36	EEE 00	MISO Wholesale Market Charges		K1/4		
37 38	555.02 555.04	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
39	555.09	DA Non-asset Energy Amount***	N/A	N/A		
40	555.19	RT Asset Energy Amount***	N/A	N/A		
41 42	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
43	000.21	DA Loss Amount	N/A	N/A		
44		RT Loss Amount	N/A	N/A		
45 46	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
47	555.12	DA Virtual Energy Amount	N/A	N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A	1	
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55		RT Congestion	N/A	N/A		
56 57	555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
58	555.17	FTR Yearly Allocation Amount	N/A	N/A		
59	555.35	FTR Monthly Transaction Amount	N/A	N/A		
60 61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63	555.38	FTR Annual Transaction Amount	N/A	N/A		
64 65	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
66	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
67 68	555.1 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
70	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71 72	555.42 555.28	RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
73	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
75 76	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
	555.63	DA Ramp Product	N/A N/A	N/A N/A		
78	555.64	RT Ramp Product	N/A	N/A		
79 80		RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
	555.56	RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A	1	
82	555.05	DA Congestion Rebate on COGA	N/A	N/A		
83 84	555.06 555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
84	555.23	RT Loss Rebate on COGA	N/A N/A	N/A N/A		
86		Net Congestion and Losses Adjustment & No DA Generation Sched	N/A	N/A		
87 88		Total MISO Wholesale Market Charges				
88	<u> </u>				1	
90		SPP Wholesale Market Charges				
91 92	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
93	555.09	RT Asset Energy Amount***	N/A	N/A		
94	555	RT Non-Asset Energy Amount	N/A	N/A		
95 96	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99 100	555.04 555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
101	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
	555.08	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
103		RT Regulation-Down Distribution Amount	N/A	N/A		
103 104	555.11		N/A	N/A		
103 104 105 106	555.11 555.12 555.13	RT Regulation Non-Performance Distribution Amount		N/A	l I	
103 104 105 106 107	555.11 555.12 555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A			
103 104 105 106 107 108	555.11 555.12 555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount		N/A N/A		
103 104 105 106 107 108 109 110	555.11 555.12 555.13 555.14 555.16 555.17 555.2	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Spinplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A N/A	N/A N/A N/A		
103 104 105 106 107 108 109 110 111	555.11 555.12 555.13 555.14 555.16 555.17 555.2 555.2	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A N/A N/A	N/A N/A N/A		
103 104 105 106 107 108 109 110 111 112	555.11 555.12 555.13 555.14 555.16 555.17 555.2 555.2	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount RT Spinplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A N/A	N/A N/A N/A		
103 104 105 106 107 108 109 110 111 111 112 113 114	555.11 555.12 555.13 555.14 555.16 555.17 555.2 555.21 555.23 555.26 555.28	RT Regulation Non-Performance Distribution Amount RT Regulation Amount RT Regulation Amount RT Spinning Reserve Distribution Amount RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount RT Reseudo Tie Loss Amount RT Sedaroteus Amount	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 12 of 78

116		RT Schedule 1A4 Amount	N/A	N/A	I	
117		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
118		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
120		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A	l –	
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
120		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
130		Day Ahead Short-Term Reserve Amount	N/A	N/A		
131		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
134		Day Ahead Spinning Reserve Amount	N/A	N/A		
135		Real Time Spinning Reserve Amount	N/A	N/A		
136		Spinning Reserve Cost Distribution Amount	N/A	N/A	l	
137		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	I	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147					1	
148		1				
148 149	Purchase	ed Power				
149	Purchase		IPROTECTED DAT	A BEGINS		
149 150	Purchase		[PROTECTED DAT	A BEGINS		
149 150 151	Purchase	Edgeley PPA	[PROTECTED DAT	A BEGINS		
149 150 151 152	Purchase	Edgeley PPA Langdon PPA	[PROTECTED DAT	A BEGINS		
149 150 151 152 153	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DAT	A BEGINS		Not Applicable to EAR - Evolutied from Total
149 150 151 152 153 154	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)	IPROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
149 150 151 152 153 154 155	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
149 150 151 152 153 154 155 156	Purchase	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	IPROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
149 150 151 152 153 154 155 156 157	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	<u>[PROTECTED DAT</u> - - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
149 150 151 152 153 154 155 156 157 158	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	IPROTECTED DAT	A BEGINS		
149 150 151 152 153 154 155 156 157 158 159	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	- - - - - - - -	- - - - - - - - - - - - - 		MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	- - - - - - - -	PROTECTED DAT	TA ENDS]	MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	- - - - - - - -	PROTECTED DAT	TA ENDS]	MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161 162		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	- - - - - - - \$ 32.80	PROTECTED DA1 \$ 41.45		MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	- - - - - - - -	PROTECTED DA1 \$ 41.45		MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	\$ 32.80 \$ 33.02	PROTECTED DAT \$ 41.45 \$ 28.16		MISO and SPP Energy Only
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	- - - - - - \$ 32.80	PROTECTED DAT \$ 41.45 \$ 28.16		MISO and SPP Energy Only Tribal (WAPA) excluded from Total
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	\$ 32.80 \$ 33.02 \$ 41.71	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	\$ 32.80 \$ 33.02	PROTECTED DAT \$ 41.45 \$ 28.16		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smard Loads Smard Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment esed Sales	\$ 32.80 \$ 33.02 \$ 41.71	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smard Loads Smard Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment esed Sales	\$ 32.80 \$ 33.02 \$ 41.71	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
149 150 151 152 153 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smard Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment Sed Sales Fuel Costs	\$ 32.80 \$ 33.02 \$ 41.71 N/A	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82 N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	\$ 32.80 \$ 33.02 \$ 41.71 N/A	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82 N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smard Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment Sed Sales Fuel Costs	\$ 32.00 \$ 33.02 \$ 41.71 N/A N/A	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82 N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 167 168 167	Wind Cur Asset Ba Steam Pi	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 32.80 \$ 33.02 \$ 41.71 N/A N/A N/A	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82 N/A N/A NA		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
149 150 151 152 153 155 155 155 156 157 158 169 164 165 166 167 168 169 170 171	Wind Cur Asset Ba Steam Pi	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	\$ 32.00 \$ 33.02 \$ 41.71 N/A N/A	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82 N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
149 150 151 152 153 154 155 156 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172	Wind Cur Asset Ba Steam Pl Steam/W	Edgeley PPA Edgeley PPA Edgeley PPA Edgeley PPA Edgeley PPA Astiabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 32.80 \$ 33.02 \$ 41.71 NA NA NA	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 36.82 N/A N/A NA NA NA		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
149 150 151 153 155 156 156 156 157 157 157 156 160 161 162 163 164 165 166 167 168 169 171 172 173	Wind Cur Asset Ba Steam Pl Steam/W	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 32.80 \$ 33.02 \$ 41.71 N/A N/A N/A	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82 N/A N/A NA		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 170 171 172 173 174	Wind Cur Asset Ba Steam/W Planning	Edgeley PPA Edgeley PPA Edgeley PPA Edgeley PPA Eangdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues	\$ 32.80 \$ 33.02 \$ 41.71 NA NA NA NA	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82 N/A N/A NA NA NA		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022
149 150 151 153 155 156 156 156 157 157 157 156 160 161 162 163 164 165 166 167 168 169 171 172 173	Wind Cur Asset Ba Steam/W Planning	Edgeley PPA Edgeley PPA Edgeley PPA Edgeley PPA Edgeley PPA Astiabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 32.80 \$ 33.02 \$ 41.71 NA NA NA	PROTECTED DA1 \$ 41.45 \$ 28.16 \$ 38.82 N/A N/A NA NA NA		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 13 of 78

ſ			March	2022 Forecast to	Actual -	Expense	(Revenue)	
			March 2022	March 2022		Expense	(novenue)	
Line	Plant Gen	eration	Forecast [PROTECTED DAT	Actual A BEGINS				Notes
1		Big Stone	-				-	
2		Coyote Hoot Lake #2	-				-	Hoot Lake plant closed in May 2021
4		Hoot Lake #3		1	1	POTECT	ر ED DATA ENDS]	
6		Total Coal	\$ 4,718,566	\$ 4,223,964		(494,602)	-10.48%	
7 8		Langdon Wind	[PROTECTED DAT	A BEGINS				
9		Ashtabula Wind	-				-	
10		Luverne Wind Merricourt	_				-	
12						PROTECT	ED DATA ENDS]	
13 14		Total Wind	\$-	\$-	\$	-	0	
15		Total Hydro		\$-	\$	-	0	
16 17		Jamestown 1	[PROTECTED DAT.	A BEGINS	1			
18		Jamestown 2	-					
19 20		Lake Preston			P	ROTECTE	ED DATA ENDS]	
21 22		Total Oil - Peaking Units	FROTECTED DAT	\$ 8,240		8,240	0	
23		Natural gas - Solway	IFROTECTED DAT	A BEGING				
24 25		Natural gas - Astoria		i	1	PROTECT	ED DATA ENDS	
26		Total Natural Gas				94,472	85.65%	
27 28		Solar - Blue Jay	[PROTECTED DAT.	A BEGINS				
29		Solar - Blue Heron	-	I		DOTEST	J	
30 31		Total Solar	\$ -	\$-	\$P	-RUIECTE	ED DATA ENDS] 0	
32 33		Total OTP-Owned		\$ 4,436,976	\$	(391,891)	-8.12%	
34			÷,020,00/	¥ 4,430,976	, v ((331,081)	-0.12%	
35 36	Wholesal	e Market Charges MISO Wholesale Market Charges			+			
37	555.02	DA Asset Energy Amount***	s -	\$ -	ş	-	0	Energy Amounts - included/embedded within Market Purchases
38 39		DA FBT Loss Amount DA Non-asset Energy Amount***	\$ - \$ -	\$ - \$ -	\$ \$	-	0	Energy Amounts - included/embedded within Market Purchases
40	555.19	RT Asset Energy Amount***	\$-	\$ -	\$	-	0	Energy Amounts - included/embedded within Market Purchases
41 42	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	\$ (141,524) \$ -	\$-	\$	(266,994)	188.66% 0	
43		DA Loss Amount RT Loss Amount	\$ 385,084 \$ 17,416	\$ 942,775	\$	557,692 145,830	144.82% 837.35%	
45	555.26	RT Non-Asset Energy Amount***	\$ -	\$ -	\$	-	0	Energy Amounts - included/embedded within Market Purchases
46 47		DA Losses Rebate on Option B GFA DA Virtual Energy Amount	s - s -	\$ - \$ -	Ş S	-	0	
48	555.32	RT Virtual Energy Amount	\$-	\$ -	\$	-	0	
49 50	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	\$ 67,876 \$ 6,227	\$ 69,855 \$ 7,997		1,979 1,770	2.92%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13	FTR Mkt Admin Amount	\$ 2,792	\$ 1,767	\$	(1,026)	-36.73%	Excluded from Total MISO Wholesale Market Charges - Not MIN EAR Applicable
52 53	555.03	DA FBT Congestion Amount DA Congestion	\$ - \$ 217,865		\$ \$ 1	- ,879,284	0 862.59%	
54	555.20	RT FBT Congestion Amount	\$-	\$ -	\$	-	0	
55 56	555.14	RT Congestion FTR Hourly Allocation Amount	\$ 23,088 \$ (385,715)	\$ 362,096 \$ (4,549,226)		339,007	1468.31% 1079.43%	
57	555.15	FTR Monthly Allocation Amount	\$ (21,757)	\$ (189,557		(167,800)	771.23%	
58 59		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	\$ (16,062)		\$	16,062	-100.00%	
60 61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ 3,493 \$ (3,494)	\$ 106,215 \$ (104,295)		102,722 (100,801)	2941.16% 2885.12%	
62	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (181,585)	\$ (1,614,945)) \$ (1	,433,360)	789.36%	
63 64	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 181,557 \$ 4,210	\$ 1,611,883 \$ 16,762		,430,326 12,552	787.81% 298.14%	
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (17,968)	\$ (53,686)	\$	(35,718)	198.79%	
66 67	555.07 555.10	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	\$ (0) \$ 10,148	\$ - \$ 16,260	\$	0 6,112	-100.00% 60.23%	
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ -	\$ (253)	\$	(253)	0	
69 70	555.29 555.30	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 19.075 \$ (7,792)	\$ 10,354 \$ -		(8,721) 7,792	-45.72% -100.00%	
71 72		RT Price Volatility Make Whole Payment	\$ (15,936)	\$ (26,085)	\$	(10,149)	63.69%	
73	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 47,497 \$ 12,002	\$ 1,055	\$	97,288 (10,947)	204.83% -91.21%	
74 75		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$ 845 \$ -	\$ (3,084) \$ -) \$ \$	(3,929)	-464.82%	
76	555.59	RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 16,770	\$	7,514	81.18%	
		DA Ramp Product RT Ramp Product	\$ (636) \$ 155			(7,067) (1,988)	-1279.73%	
79	555.65	RT Schedule 49 Cost Distribution Amount	\$ 10,804		\$	(659)	-6.10%	Freezer Arcente la du de dans la da du du du la de la Pol
80 81	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	\$ - \$ -	\$- \$-	S S	-	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
82 83	555.05	DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$- \$-	\$ - \$ -	\$	-	0	
84	555.22	RT Congestion Rebate on COGA	\$ -	\$ -	\$	-	0	
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedu		\$ - \$ (101,589)	\$	- (101,589)	0	
87								
88 89		Total MISO Wholesale Market Charges	> 150,025	\$ (1,561,280)) \$ (1. 	, <i>(</i> 11,306)	-1140.68%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90	EEE 40	SPP Wholesale Market Charges	6	¢				Exercise American included (ambedded within Market Provider and
91 92	555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount		\$- \$-	\$	-	0	Energy Amounts - included/embedded within Market Purchases
93 94	555.09	RT Asset Energy Amount*** RT Non-Asset Energy Amount	\$- \$-	\$ - \$ -	\$ \$	-	0	Energy Amounts - included/embedded within Market Purchases
95	555.02	DA Make-Whole-Payment Distribution Amount	\$-	\$ -	\$	-	0	
96 97	555.10 555.18	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	\$ 235 \$ -	\$0 \$-	\$ \$	(235)	-99.98% 0	
98	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ (0)	\$	(22)	-100.50%	
99 100		DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	\$ 15 \$ 27		\$	(15) (27)	-100.00%	
101	555.06	DA Spinning Reserve Distribution Amount	\$ 29	\$ (0)	\$	(29)	-100.07%	
102	555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ 4 \$ (0)	\$ -	\$ \$	(4)	-100.00% -100.00%	
104	555.11	RT Over-Collected Losses Distribution Amount	\$ (9,096)	\$ (17,836)	\$	(8,740)	96.08%	
			\$ (0) \$ (0)	\$ -	\$	0	-100.00% -100.00%	
107 108		RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$ (1) \$ (0)		\$	1	-100.00%	
109	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$-	\$	0	-100.00%	
110 111	555.20 555.21	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	\$ (79,371) \$ (20,676)			(183,586) 501	231.30%	
112	555.23	Miscellaneous Amount	\$ (5)	\$ -	\$	5	-100.00%	
	555.26 555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	<u>\$</u> - \$(0)	\$- \$-	\$	- 0	-100.00%	
		RT Schedule 1A3 Amount			\$	(4)	-100.29%	

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 14 of 78

	555.30	RT Schedule 1A4 Amount	\$	18		(0)		(18)	-100.11%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-		New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$		\$	-		New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	-	\$	(14)	-100.00%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	\$		S	-	0	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	S	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(300,968)		(177.642)	144.04%	
126			Ŧ	(-==),===)		(000)000	1Ť	(,:		
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(49,082)	\$	(37,404)	\$	11.678	-23.79%	
129		Real Time Regulation Amount	ŝ	8.075	\$	1,448		(6.627)	-82.06%	
130		Regulation Cost Distribution Amount	Š	16,682	ŝ	22,460		5,778	34.64%	
131		Day Ahead Short-Term Reserve Amount	\$	-	Š	(14,230)		(14,230)	0 1.01.0	
132		Real Time Short-Term Reserve Amount	¢ ¢	-	\$	375		375	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	7.568		7.568	0	
133	-	Day Ahead Spinning Reserve Amount	э \$	(12,325)	\$	(40,575)		(28,250)	229.21%	
134		Real Time Spinning Reserve Amount	э \$	(12,325)	э \$	7.006		(28,250) 8,057	-766.52%	
135		Spinning Reserve Cost Distribution Amount	э \$	12.675	ş	20.834		8,159	64.38%	
130		Day Ahead Supplemental Reserve Amount	э \$	(7,115)	ş	(8,778)		(1,663)	23.37%	
137		Real Time Supplemental Reserve Amount	ծ Տ	2,748	3 \$	(8,778) 2,552		(1,663)	-7.11%	
			s S							
139		Supplemental Reserve Cost Distribution Amount		3,402	\$	1,679		(1,723)	-50.66%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	1,786		(786)	-30.55%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	664		(1,012)	-60.37%	
144		Total MISO ASM	\$	(21,743)	\$	(34,614)	\$	(12,870)	59.19%	
145										
146		Total Wholesale Market Charges	\$	19,500	\$	(1,896,862)	\$	(1,916,362)	-9827.54%	
147										
148										
	Purchase	ed Power								
150			[PROT	ECTED DAT	A BE	GINS				
151		Edgeley PPA	_							
152		Langdon PPA								
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads	E							
157		Small Co-gen								
158		Bilateral purchases								
159		Market Purchases								MISO and SPP Energy Only
160								PROTECTE	ED DATA ENDS]	
161		Total Purchases	\$	4.790.675	\$	8,816,618	L &	4.025.944		Tribal (WAPA) excluded from Total
162							1.2	4,025,944	84.04%	
102		Total Fulchases		4,790,675	-	0,010,010	>	4,025,944	84.04%	Thbar (WAPA) excluded from Total
	Wind Cur		\$	9,714	\$	37,639		4,025,944	287.46%	
	Wind Cur									
163 164		rtailment	\$	9,714		37,639	\$	27,925	287.46%	
163 164 165		tailment sed Sales		9,714 175,127	\$	37,639	\$	27,925 454,875	287.46% 259.74%	Credit to MN FCA Calculation - Subtracted from Total
163 164 165 166		tailment sed Sales Fuel Costs	\$	9,714 175,127 151,499	\$	37,639 630,002 512,607	\$ \$ \$	27,925 454,875 361,108	287.46% 259.74% 238.36%	
163 164 165 166 167		tailment sed Sales	• •	9,714 175,127	\$} \$}	37,639	\$ \$ \$	27,925 454,875	287.46% 259.74%	
163 164 165 166 167 168	Asset Ba	tailment sed Sales Fuel Cosis Asset Based Margins	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,714 175,127 151,499 23,629	\$\$	37,639 630,002 512,607 117,395	\$ \$ \$	27,925 454,875 361,108 93,766	287.46% 259.74% 238.36% 396.83%	Credit to MN FCA Calculation - Subtracted from Total
163 164 165 166 167 168 169	Asset Ba	tailment sed Sales Fuel Costs	• •	9,714 175,127 151,499	\$} \$}	37,639 630,002 512,607	\$ \$ \$	27,925 454,875 361,108	287.46% 259.74% 238.36% 396.83%	
163 164 165 166 167 168 169 170	Asset Ba	tatilment sed Sales Fuel Costs Asset Based Margins ant Reagents	• • • • • •	9,714 175,127 151,499 23,629	••••••••••••••••••••••••••••••••••••••	37,639 630,002 512,607 117,395	\$ \$ \$ \$	27,925 454,875 <u>361,108</u> 93,766	287.46% 259.74% 238.36% 396.83% 0	Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
163 164 165 166 167 168 169 170 171	Asset Ba	tailment sed Sales Fuel Cosis Asset Based Margins	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	9,714 175,127 151,499 23,629	\$\$	37,639 630,002 512,607 117,395	\$ \$ \$	27,925 454,875 361,108 93,766	287.46% 259.74% 238.36% 396.83% 0	Credit to MN FCA Calculation - Subtracted from Total
163 164 165 166 167 168 169 170 171 172	Asset Ba Steam Pl Steam/W	artailment sed Sales Fuel Costs Asset Based Margins ant Reagents L ter Sales	ം ഗഗഗഗ ഗ	9,714 175,127 151,499 23,629 - -	. ••• ••• •••	37,639 630,002 512,607 117,395 - -	\$ \$ \$ \$ \$	27,925 454,875 361,108 93,766 - -	287.46% 259.74% 238.36% 396.83% 0 0	Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
163 164 165 166 167 168 169 170 171 172 173	Asset Ba Steam Pl Steam/W	tatilment sed Sales Fuel Costs Asset Based Margins ant Reagents	• • • • • •	9,714 175,127 151,499 23,629	••••••••••••••••••••••••••••••••••••••	37,639 630,002 512,607 117,395	\$ \$ \$ \$	27,925 454,875 <u>361,108</u> 93,766	287.46% 259.74% 238.36% 396.83% 0 0	Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
163 164 165 166 167 168 169 170 171 172 173 174	Asset Ba Steam Pl Steam/Wa Planning	artailment sed Sales Fuel Costs Asset Based Margins ant Reagents L ter Sales	ം ഗഗഗഗ ഗ	9,714 175,127 151,499 23,629 - -	. •• •• •• •• ••	37,639 630,002 512,607 117,395	\$ \$ \$ \$ \$ \$	27,925 454,875 361,108 93,766 - -	287.46% 259.74% 238.36% 396.83% 0 0 0	Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

Att2 Rate CalculationMN OTP Initial Filing 2021-05-03

\$9,473,628.42

1			March 2022	Forecast to Actua	I - MV	VH
			March 2022	March 2022		
Line	Plant Ger	neration	Forecast [PROTECTED DAT/	Actual A REGINS		Notes
1		Big Stone				
2		Coyote Hoot Lake #2				Hoot Lake plant closed in May 2021
4		Hoot Lake #3				
5 6		Total Coal	PRO 207,446	TECTED DATA E 192,279		
7 8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9		Ashtabula Wind		-		
10 11		Luverne Wind Merricourt				
12				TECTED DATA E	NDS]	
13 14		Total Wind	99,205	98,243		
15 16		Total Hydro	1,699	1,046		
17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18 19		Jamestown 2 Lake Preston		-		
20			PRO	TECTED DATA E	NDS]	
21 22		Total Oil - Peaking Units	- [PROTECTED DAT	- A BEGINS		
23 24		Natural gas - Solway Natural gas - Astoria				
25				TECTED DATA E	NDS]	
26 27		Total Natural Gas	1,871 [PROTECTED DAT			
28		Solar - Blue Jay				
29 30		Solar - Blue Heron	PRO	TECTED DATA E	NDS]	
31 32		Total Solar	-	14		
33		Total OTP-Owned	310,221	294,287		
34 35	Wholesal	e Market Charges			-	<u> </u>
35 36		MISO Wholesale Market Charges	k1/4	N/A		
37 38	555.04	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A	E	
39 40	555.09 555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
41	555.24	RT Distribution of Losses Amount	N/A	N/A		
42 43	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A	-	
44		RT Loss Amount	N/A	N/A		
	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
47 48	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
49	555.01	DA Mkt Admin Amount	N/A	N/A		
50 51		RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
52		DA FBT Congestion Amount	N/A	N/A		
53 54	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
55 56		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
57	555.15	FTR Monthly Allocation Amount	N/A	N/A		
58 59	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
61 62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
63 64		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66 67	555.07 555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
68 69	555.11 555.29	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amoun	N/A N/A	N/A N/A		
	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71 72	555.42 555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
73	555.25	RT Misc Amount	N/A	N/A		
75	555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A	L	<u> </u>
76	555.59	RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
78	555.64	DA Ramp Product RT Ramp Product	N/A	N/A		
79 80	555.65 555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		┨
81	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
83	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
84 85	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
86	555.23	Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A		
87 88		Total MISO Wholesale Market Charges			-	<u> </u>
89						
90 91	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	E	
92 93	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
94	555	RT Non-Asset Energy Amount	N/A	N/A		
96	555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A	L	<u> </u>
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A		
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A N/A		
100 101	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A	-	
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
103 104	555.08 555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A	-	
105	555.12	RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
107	555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A	N/A		
	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
111 112		RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A	L	
113	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		
		RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
					_	

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 16 of 78

		RT Schedule 1A4 Amount	N/A	N/A		
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125	000.27	Total SPP Wholesale Market Charges		1471		
125		Total of T Wholesale Market Onlarges			-	
120		MISO ASM			-	
127		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
134		Day Ahead Spinning Reserve Amount	N/A	N/A		
135		Real Time Spinning Reserve Amount	N/A	N/A		
136		Spinning Reserve Cost Distribution Amount	N/A	N/A		
137		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	1	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
140	1	Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A	-	
142	1	Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	-	
142		Net Regulation Adjustment Amount	N/A	N/A	-	
143		Total MISO ASM	19/74	19/75		
144		Total WISO ASW				
145		Total Whalesala Madest Observes				
		Total Wholesale Market Charges				
147						
148	_					
	Purchase	ed Power				
150			[PROTECTED DAT	A BEGINS		
151		Edgeley PPA				
152		Langdon PPA				
153		Ashtabula III PPA				
154		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance				
156		Shared Loads				
157		Small Co-gen				
158		Bilateral purchases				
159		Market Purchases				MISO and SPP Energy Only
160			PRO	TECTED DATA E	NDS1	
161		Total Purchases				
161		Total Purchases	183,386	240,739		Tribal (WAPA) excluded from Total
162	Wind Cu		183,386	240,739		Tribal (WAPA) excluded from Total
162 163	Wind Cur					Tribal (WAPA) excluded from Total
162 163 164		tailment	183,386 294	240,739 1,213		
162 163 164			183,386	240,739		Credit to MN FCA Calculation - Subtracted from Total
162 163 164 165		taliment sed Sales	183,386 294	240,739 1,213		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162 163 164		tailment	183,386 294	240,739 1,213		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
162 163 164 165 166		taliment sed Sales Fuel Costs	183,386 294	240,739 1,213		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162 163 164 165		taliment sed Sales	183,386 294	240,739 1,213		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
162 163 164 165 166		taliment sed Sales Fuel Costs	183,386 294	240,739 1,213		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162 163 164 165 166 167 168	Asset Ba	taliment sed Sales Fuel Costs	183,386 294	240,739 1,213		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
162 163 164 165 166 167 168	Asset Ba	taliment sed Sales Fuel Costs Asset Based Margins	183,386 294 6,567	240,739 1,213 20,497		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
162 163 164 165 166 167 168 169 170	Asset Ba Steam Pl	taliment sed Sales Fuel Costs Asset Based Margins ant Reagents	183,386 294 6,567	240,739 1,213 20,497		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl	taliment sed Sales Fuel Costs Asset Based Margins	183,386 294 6,567	240,739 1,213 20,497		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
162 163 164 165 166 167 168 169 170 171 172	Asset Ba Steam Pl Steam/W	taliment seed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	183,386 294 6,567	240,739 1,213 20,497		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169 170 171 172 173	Asset Ba Steam Pl Steam/W	taliment sed Sales Fuel Costs Asset Based Margins ant Reagents	183,386 294 6,567	240,739 1,213 20,497		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169 170 171 172 173 174	Asset Ba Steam Pl Steam/W Planning	taliment seed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	183,386 294 6,567	240,739 1,213 20,497		Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719



			March 2022 Eo	ecast to Actual -	\$ per MW	h
			March 2022	March 2022	- por minu	
	Diam's C		Forecast	Actual	ļ	Notes
Line 1	Plant Ger	Big Stone	[PROTECTED DAT	A BEGINS		
2		Coyote	_			
3 4		Hoot Lake #2 Hoot Lake #3	-			Hoot Lake plant closed in May 2021
5				PROTECTED DAT	A ENDS	
6		Total Coal	\$ 22.75	\$ 21.97		
8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9		Ashtabula Wind		-		
10		Luverne Wind Merricourt	-	-		
12				PROTECTED DAT	A ENDS]	
13 14		Total Wind	ş -	\$-		
15		Total Hydro	\$-	\$-		
16 17			PROTECTED DAT	A BEGINS		
18		Jamestown 1 Jamestown 2	-	-		
19		Lake Preston	-			
20 21		Total Oil - Peaking Units		PROTECTED DAT \$ -		
22			PROTECTED DAT			
23 24		Natural gas - Solway Natural gas - Astoria	-	-		
25				PROTECTED DAT	A ENDS]	
26 27		Total Natural Gas	\$ 58.97 [PROTECTED DAT			
28		Solar - Blue Jay		-		
29		Solar - Blue Heron				
30 31		Total Solar		PROTECTED DAT \$-		
32				e		
33 34		Total OTP-Owned	\$ 81.71	\$ 97.63		
35	Wholesal	e Market Charges				
36 37	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
38	555.04	DA FBT Loss Amount	N/A	N/A	1	
39 40	555.09	DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41	555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A	N/A		
42 43	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
43		RT Loss Amount	N/A	N/A		
45	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
		DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55	555 1A	RT Congestion	N/A	N/A N/A		
	555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A		
58	555.17	FTR Yearly Allocation Amount	N/A	N/A		
		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
61	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
62 63	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65 66	555.41 555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
67	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68 69	555.11 555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
70	555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
72 73	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
75 76	555.31 555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
77	555.63	DA Ramp Product	N/A	N/A		
78 79	555.64 555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
80	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81 82		RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
83	555.06	DA Losses Rebate on COGA	N/A	N/A		
84 85		RT Congestion Rebate on COGA	N/A	N/A		
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A N/A	N/A N/A		
87						
88 89		Total MISO Wholesale Market Charges				
90		SPP Wholesale Market Charges				
91 92	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
93	555.09	RT Asset Energy Amount***	N/A	N/A	1	
	555	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
96	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
98 99	555.15 555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
100	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
101 102		DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
103	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104 105	555.11 555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
106	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14	RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
109	555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
111 112	555.21 555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
	555.26	ARR Closeout Yearly Amount	N/A	N/A		
		RT Demand Reduction Distribution Amount	N/A	N/A	I	1
114		RT Schedule 1A3 Amount	N/A	N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 18 of 78

110						
		RT Schedule 1A4 Amount	N/A	N/A		New shares time in 0000
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A	L	New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
			N/A	N/A		
129		Real Time Regulation Amount				
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
134		Day Ahead Spinning Reserve Amount	N/A	N/A		
135		Real Time Spinning Reserve Amount	N/A	N/A		
36		Spinning Reserve Cost Distribution Amount	N/A	N/A	1	
37		Day Ahead Supplemental Reserve Amount	N/A	N/A	1	
138		Real Time Supplemental Reserve Amount	N/A	N/A	1	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
139		Contingency Reserve Deployment Failure Charge Amount	N/A N/A	N/A N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
146 147		Total Wholesale Market Charges				
147		Total Wholesale Market Charges				
147 148	Purchase	······································				
147 148 149	Purchase	d Power	IPROTECTED DAT	ABEGINS		
147 148 149 150	Purchase	d Power	PROTECTED DAT	A BEGINS		
147 148 149 150 151	Purchase	d Power Edgeley PPA	PROTECTED DAT	A BEGINS		
147 148 149 150 151 152	Purchase	d Power Edgeley PPA Langdon PPA	IPROTECTED DAT	A BEGINS		
147 148 149 150 151 152 153	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA	IPROTECTED DAT.	A BEGINS		
147 148 149 150 151 152 153 154	Purchase	d Power Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	IPROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT. - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	IPROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156 157	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads	[PROTECTED DAT, - - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156 157	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DAT. - - - - - -	A BEGINS		
147 148 149 150	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads	A			Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156 157 158 159	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	A	A BEGINS		
147 148 149 150 151 152 153 154 155 156 157 158 159 160	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases			TA ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases		PROTECTED DAT	TA ENDS]	
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 26.12	PROTECTED DAT \$ 36.62	TA ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		PROTECTED DAT \$ 36.62	[A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 161 162 163 164	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases	\$ 26.12 \$ 33.02	PROTECTED DAT \$ 36.62 \$ 31.04	TA ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 26.12	PROTECTED DAT \$ 36.62 \$ 31.04	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
147 148 149 150 151 152 153 154 155 155 155 155 155 155 157 158 159 160 161 162 163 164 165	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Total Purchases taliment sed Sales	\$ 26.12 \$ 33.02 \$ 26.67	PROTECTED DAT \$ 36.62 \$ 31.04 \$ 30.74	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
147 148 149 150 151 152 153 154 155 156 157 158 157 158 159 160 161 162 163 164 165	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases	\$ 26.12 \$ 33.02	PROTECTED DAT \$ 36.62 \$ 31.04	TA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shall Co-gen Bilateral purchases Market Purchases tailment tead Sales Fuel Costs	\$ 26.12 \$ 33.02 \$ 26.67 N/A	PROTECTED DAT \$ 36.62 \$ 31.04 \$ 30.74 N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
47 48 49 50 51 52 53 55 55 55 55 55 55 55 55 55 55 60 61 62 63 64 66 66	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Total Purchases taliment sed Sales	\$ 26.12 \$ 33.02 \$ 26.67	PROTECTED DAT \$ 36.62 \$ 31.04 \$ 30.74	[A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
47 448 49 50 51 52 55 55 55 55 55 55 55 55 60 60 61 62 63 64 66 66 66 66	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 26.12 \$ 33.02 \$ 26.67 N/A	PROTECTED DAT \$ 36.62 \$ 31.04 \$ 30.74 N/A	TA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
47 448 49 50 51 52 55 55 55 55 55 55 55 55 55 55 55 60 60 61 62 63 64 65 59 60 61 65 65 66 66 66 66 66	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases tailment tailment tailment Ed Sales Fuel Costs Asset Based Margins	\$ 26.12 \$ 33.02 \$ 26.67 N/A N/A	PROTECTED DA1 \$ 36.62 \$ 31.04 \$ 30.74 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
147 148 149 150 151 155 155 155 155 155 155 156 157 157 158 159 160 161 162 163 164 165 166 166 166 166 166	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 26.12 \$ 33.02 \$ 26.67 N/A	PROTECTED DAT \$ 36.62 \$ 31.04 \$ 30.74 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
147 148 149 150 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tallment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 26.12 \$ 33.02 \$ 26.67 N/A N/A NA	PROTECTED DA1 \$ 36.62 \$ 31.04 \$ 30.74 N/A N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
147 148 149 150 155 155 155 155 155 155 155 156 157 158 159 160 161 166 166 166 166 166 166 166 170 177	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases tailment tailment tailment Ed Sales Fuel Costs Asset Based Margins	\$ 26.12 \$ 33.02 \$ 26.67 N/A N/A	PROTECTED DA1 \$ 36.62 \$ 31.04 \$ 30.74 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
147 148 149 150 155 155 155 155 155 155 156 157 158 156 157 158 159 160 161 162 163 164 165 166 166 166 167 170	Wind Cur Asset Ba Steam Pl Steam/W	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Tailment Seed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 26.12 \$ 33.02 \$ 26.67 NA NA NA	PROTECTED DA1 \$ 36.62 \$ 31.04 \$ 30.74 N/A N/A NA NA	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
147 148 149 150 151 152 153 155 155 155 155 155 155 157 158 159 160 161 162 163 164 165 166 166 170 177 177 177	Wind Cur Asset Ba Steam Pl Steam/W	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tallment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 26.12 \$ 33.02 \$ 26.67 N/A N/A NA	PROTECTED DA1 \$ 36.62 \$ 31.04 \$ 30.74 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
147 148 149 150 151 151 153 153 154 155 156 157 158 159 160 161 161 162 163 164 165 166 167 170 177 177 173	Wind Cur Asset Ba Steam Pl Steam/W Planning	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Tailment Seed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues	\$ 26.12 \$ 33.02 \$ 26.67 NA NA NA NA NA	PROTECTED DA1 \$ 36.62 \$ 31.04 \$ 30.74 N/A N/A NA NA N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022
147 148 149 150 151 151 153 153 154 155 156 157 158 159 160 161 161 162 163 164 165 166 167 170 177 177 173	Wind Cur Asset Ba Steam Pl Steam/W Planning	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Tailment Seed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 26.12 \$ 33.02 \$ 26.67 NA NA NA	PROTECTED DA1 \$ 36.62 \$ 31.04 \$ 30.74 N/A N/A NA NA N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 19 of 78

				2022 Forecast to	Actual - Expense	(Revenue)	
			April 2022 Forecast	April 2022 Actual			Notes
Line 1	Plant Ger	eration Big Stone	[PROTECTED DAT.	A BEGINS			
2		Coyote Hoot Lake #2	-				Hoot Lake plant closed in May 2021
4		Hoot Lake #3	-				Tiour Lake plant closed in may 2021
5 6		Total Coal	\$ 1,406,739			ED DATA ENDS] 6.27%	
7		Langdon Wind	PROTECTED DAT	A BEGINS			
9 10		Ashtabula Wind Luverne Wind	•				
11		Merricourt	-	i	DROTECT		
12 13		Total Wind	\$-	\$-	PROTECT \$ -	ED DATA ENDS] 0	
14 15		Total Hydro	\$-	\$-	\$-	0	
16 17		Jamestown 1	[PROTECTED DAT.	A BEGINS			
18 19		Jamestown 2 Lake Preston	-				
20			•		PROTECT	ED DATA ENDS]	
21 22		Total Oil - Peaking Units	S - [PROTECTED DAT	S - A BEGINS	\$ -	0	
23 24		Natural gas - Solway Natural gas - Astoria	-				
25 26		Total Natural Gas	\$ 396,587	\$ 581,281		ED DATA ENDS] 46.57%	
27 28		Solar - Blue Jay	PROTECTED DAT				
29		Solar - Blue Heron	-	1	PROTECT		
30 31		Total Solar	\$ -	ş -	PROTECT \$ -	ED DATA ENDS] 0	
32 33		Total OTP-Owned	\$ 1,803,326	\$ 2,076,262	\$ 272,936	15.14%	
34 35	Wholesal	e Market Charges					
36 37		MISO Wholesale Market Charges DA Asset Energy Amount***	s	\$	s -	^	Energy Amounts - included/embedded within Market Purchases
38	555.04	DA FBT Loss Amount	\$ - \$		\$-	0	
39 40	555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	\$ - \$ -	\$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
41 42		RT Distribution of Losses Amount RT FBT Loss Amount	\$ (124,348) \$ -	\$ (393,000) \$ -	\$ (268,653) \$ -	216.05%	
43		DA Loss Amount RT Loss Amount	\$ 338,346 \$ 15,302	\$ 1,042,726 \$ 138,035		208.18% 802.07%	
45		RT Non-Asset Energy Amount***	\$-	\$-	ş -	0	Energy Amounts - included/embedded within Market Purchases
46	555.08 555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	\$ - \$ -	\$ -	s - s -	0	
48 49	555.01	RT Virtual Energy Amount DA Mkt Admin Amount	\$- \$58,958	\$ 61,547			Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51	555.13	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 8,219 \$ 3,068	\$ 7,272 \$ 2,101		-11.52% -31.50%	
52 53		DA FBT Congestion Amount DA Congestion	\$ - \$ 191,422	\$ - \$ 2,892,776	\$ - \$ 2,701,353	0 1411.20%	
54 55	555.20	RT FBT Congestion Amount RT Congestion	\$ - \$ 20,286	\$ 2,892,770 \$ - \$ 439,451	ş -	2066.28%	
56	555.14	FTR Hourly Allocation Amount	\$ (338,901)	\$ (6,241,973)	\$ (5,903,072)	1741.83%	
57 58	555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (19,117) \$ -	\$ -	s -	331.53% 0	
59 60	555.35 555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	\$ (14,112) \$ (3,615)	\$ - \$ (539)	\$ 14,112 \$ 3,076	-100.00% -85.09%	
61 62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ 3,899 \$ (181,585)	\$ 539 \$ (1,614,945)		-86.18% 789.36%	
63 64		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 181,557 \$ 4,210	\$ 1,611,883	\$ 1,430,326	787.81%	
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (17,968)	\$ (53,686)	\$ (35,718)	198.79%	
66 67	555.07 555.10	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 9,212	\$ - \$ 13,926		0 51.18%	
68 69	555.11 555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ (5,324) \$ 19,075	\$ (768) \$ 27,007		-85.57% 41.58%	
70 71	555.30 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (7,792) \$ (15,936)		\$ 7,792	-100.00% 25.68%	
72	555.28	RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ 247,532	\$ 200,036	421.15%	
73	555.27	RT Misc Amount RT Net Inadvertent Amount	\$ 12,002 \$ 845	\$ 6,370		-100.00% 653.57%	
75 76		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ - \$ 9,256	\$ - \$ 32,985	\$ - \$ 23,729	0 256.37%	
77	555.63	DA Ramp Product RT Ramp Product	\$ (493) \$ (101)		\$ (4,122)	835.74% -583.95%	
	555.65	RT Schedule 49 Cost Distribution Amount	\$ 10,804 \$ -	\$ 22,320		106.59%	Energy Amounta included/embedded within Market Durcheses
81	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** D4 Consequence on COCA	\$	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
82 83	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$ - \$ -	\$ -	\$ - \$ -	0	
84 85	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	s - s -	\$- \$-	\$ - \$ -	0	
86 87		Net Congestion and Losses Adjustment & No DA Generation Schedu	\$-	\$ 61,477		0	
88 89		Total MISO Wholesale Market Charges	\$ 134,422	\$ (1,857,772)	\$ (1,992,194)	-1482.04%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90	EEE 40	SPP Wholesale Market Charges	¢	¢		-	Feerm Amounte, included and estated within Medica P
91 92	555.03		s - s -	\$ -	s - s -	0	
93 94	555.00	RT Asset Energy Amount*** RT Non-Asset Energy Amount	 -		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
95 96	555.02	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount		\$-	\$ - \$ (235)	-100.00%	
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 233	\$ -	ş -	-100.00%	
99	555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	\$ 15	\$ -	\$ (15)	-100.00%	
100 101	555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$ 27 \$ 29	\$ -	\$ (27) \$ (29)	-100.00%	
102 103	555.07	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ 4 \$ (0)	\$-	\$ (4) \$ 0		
104	555.11	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (7,992) \$ (0)	\$ (16,684)	\$ (8,691) \$ 0	108.75%	
106	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
108	555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$ (1) \$ (0)	\$ -	\$ 0	-100.00%	
109 110	555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (0) \$ (69,738)	\$ (257,699)		269.52%	
111 112	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (18,166) \$ (5)	\$ (27,737)			
112 113 114	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ - \$ (0)	\$ -	s -	-100.00%	
		RT Schedule 1A3 Amount			\$ (3)		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 20 of 78

		RT Schedule 1A4 Amount	\$	18		-	\$	(18)	-100.00%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
121		RT Ramp Down Distribution Amount	\$	-	Š	-	Š			New charge type in 2022
122			\$	14			Š	(14)		Now onlige type in LoLL
122	555.22		\$	(0)		-	ŝ	0	-100.00%	
123		DA GFA Carve Out Distribution Deployment Yearly Amount	\$	- (0)	\$	-	ŝ	-	-100.0070	
124	555.27	Total SPP Wholesale Market Charges		(123,325)		(302.120)		(178,795)	144.98%	
125		Total SPP wholesale Market Charges	\$	(123,325)	\$	(302,120)	>	(178,795)	144.98%	
							_			
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(52,128)		(35,570)		16,558	-31.76%	
129		Real Time Regulation Amount	\$	8,603		9,588		984	11.44%	
130		Regulation Cost Distribution Amount	\$	14,681	\$	25,572		10,892	74.19%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(28,781)		(28,781)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	1,076	\$	1,076	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	15,272		15,272	0	
134		Day Ahead Spinning Reserve Amount	\$	(14,598)		(82,681)		(68.082)	466.37%	
135		Real Time Spinning Reserve Amount	\$	239	ŝ	15.828		15.589	6529.26%	
136		Spinning Reserve Cost Distribution Amount	\$	12.845		27,956		15,111	117.64%	
137		Day Ahead Supplemental Reserve Amount	\$	(4,665)		(14,794)		(10,129)	217.12%	
137			э S	1,564				2,354	150.51%	ł
		Real Time Supplemental Reserve Amount				3,918				
139		Supplemental Reserve Cost Distribution Amount	Ş	1,994		2,822		828	41.50%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	Ş	2,572		966		(1,606)	-62.44%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676		863	\$	(814)	-48.54%	
144		Total MISO ASM	\$	(27,218)	\$	(57,967)	\$	(30,749)	112.97%	
145										
146		Total Wholesale Market Charges	\$	11.669	ŝ	(2,217,859)	\$	(2,229,527)	-19106.46%	
147					T .		· ·			
148										
149	Purchase	d Power								
150	. ai onaco		IPROTE	CTED DAT		FGINS				
151		Edgelev PPA	[I KOIL	OILD DAI	<u>, Dr</u>	20110	-		ļ	
151		Langdon PPA	-						•	
			-							
153		Ashtabula III PPA	-							
154		Tribal (WAPA)	L							Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance	L							
156		Shared Loads	L							
157		Small Co-gen	L							
158		Bilateral purchases								
159		Market Purchases	Г							MISO and SPP Energy Only
160								PROTECT	ED DATA ENDS	
161		Total Purchases	ŝ	6.663.507	\$	8.874.972	\$	2.211.465		Tribal (WAPA) excluded from Total
162		701011 01010303	Ť	2,000,001	Ť	5,01-1,072	Ť	2,211,100	00.1070	
	Wind Cur	tailment	s	10.643	s	33,658	¢	23,015	216.25%	
163	Thing our	umment.	Ŷ	10,043	1	33,030	۴¢	23,015	210.23%	
	A De	and Onland		405 000		705 555		570.000	040.40%	One with the MINE FOAL Onderstanding and Onderstand Server Traded
	Asset Bas		\$	185,626		765,555				Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	241,927		586,775		344,848	142.54%	
167		Asset Based Margins	\$	(56,301)	\$	178,780	\$	235,080	-417.54%	
168										
169	Steam Pla	ant Reagents	\$	-	\$	-	\$		0	Effective July 2022 - Docket No. E017/GR-20-719
					1					
170										
170	Steam/Wa	ater Sales	s	-	\$	-	S S	-	0	Effective July 2022 - Docket No. E017/GR-20-719
170 171		ater Sales	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
170 171 172	Steam/Wa		Ť							
170 171 172 173	Steam/Wa	ater Sales Resource Auction Revenues	\$ \$	-	\$ \$	-	\$ \$	-		Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022
170 171 172 173 174	Steam/Wa Planning		Ť		\$		\$	-	0	

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

Att2 Rate CalculationMN OTP Initial Filing 2021-05-03

\$8,303,518.50

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

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 22 of 78

					-	
		RT Schedule 1A4 Amount	N/A	N/A	L	
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
133		Day Ahead Spinning Reserve Amount	N/A	N/A	-	
134		Real Time Spinning Reserve Amount	N/A	N/A	-	
135		Spinning Reserve Cost Distribution Amount	N/A	N/A	-	<u> </u>
136	<u> </u>	Day Ahead Supplemental Reserve Amount	N/A N/A	N/A N/A		
137		Real Time Supplemental Reserve Amount	N/A N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	L	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	L	
141		Real Time Excessive Deficient Energy Deployment Charge Amoun	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
	Purchase	d Power				
150						
151			[PROTECTED DAT	A BEGINS		
		Edgeley PPA	[PROTECTED DAT	A BEGINS		
152		Langdon PPA	[PROTECTED DAT	A BEGINS		
152 153		Langdon PPA Ashtabula III PPA		A BEGINS		
152		Langdon PPA	[PROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
152 153 154 155		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	IPROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
152 153 154		Langdon PPA Ashtabula III PPA Tribal (WAPA)	IPROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
152 153 154 155		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	IPROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
152 153 154 155 156 157		Langdon PPA Ashtabual III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	IPROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
152 153 154 155 156 157 158		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases	IPROTECTED DAT	A BEGINS		
152 153 154 155 156 157		Langdon PPA Ashtabual III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen		A BEGINS		Not Applicable to EAR - Excluded from Total
152 153 154 155 156 157 158 159 160		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases	PRO	TECTED DATA E		MISO and SPP Energy Only
152 153 154 155 156 157 158 159 160 161		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases				
152 153 154 155 156 157 158 159 160 161 162		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		TECTED DATA E 244,983	NDS]	MISO and SPP Energy Only
152 153 154 155 156 157 158 159 160 161 162 163	Wind Cur	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	PRO	TECTED DATA E	NDS]	MISO and SPP Energy Only
152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases		TECTED DATA E 244,983 982	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
152 153 154 155 156 157 158 159 160 161 162 163 164		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases		TECTED DATA E 244,983	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales		TECTED DATA E 244,983 982	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases		TECTED DATA E 244,983 982	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs		TECTED DATA E 244,983 982	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur Asset Ba	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales		TECTED DATA E 244,983 982	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	PRC 292,177 322 5,120	TECTED DATA E 244,983 982 15,745	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Eased Sales
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs		TECTED DATA E 244,983 982	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind Cur Asset Ba Steam PI:	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents		TECTED DATA E 244,983 982 15,745	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 171	Wind Cur Asset Ba Steam PI:	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	PRC 292,177 322 5,120	TECTED DATA E 244,983 982 15,745	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Eased Sales
152 153 154 155 156 156 159 160 161 162 163 164 165 166 167 168 169 170 170 171 172	Wind Cur Asset Ba Steam Pl Steam/Wi	Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales		TECTED DATA E 244,983 982 15,745 - -	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 170 171	Wind Cur Asset Ba Steam Pl Steam/Wi	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents		TECTED DATA E 244,983 982 15,745	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
152 153 154 155 156 156 157 158 159 160 161 162 164 165 164 165 166 167 168 169 171 172 173 174	Wind Cur Asset Ba Steam Pl: Steam/W Planning	Langdon PPA Langdon PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues		TECTED DATA E 244,983 982 15,745 - - - -	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022
152 153 154 155 156 156 158 159 160 161 162 163 164 165 166 166 169 170 171 172 173 174	Wind Cur Asset Ba Steam Pl: Steam/W Planning	Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales		TECTED DATA E 244,983 982 15,745 - -	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719



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

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 24 of 78

		RT Schedule 1A4 Amount	N/A	N/A		New shares time in 0000
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126		Total of T Thiolocale market enarged				
27		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
29		Real Time Regulation Amount	N/A	N/A		
30		Regulation Cost Distribution Amount	N/A	N/A		
31		Day Ahead Short-Term Reserve Amount	N/A	N/A		
32		Real Time Short-Term Reserve Amount	N/A	N/A		
33		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
34		Day Ahead Spinning Reserve Amount	N/A	N/A		
35		Real Time Spinning Reserve Amount	N/A	N/A		
36		Spinning Reserve Cost Distribution Amount	N/A	N/A		
37		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
39		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
40		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
42		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
43		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
146		Total Wholesale Market Charges				
147		Total Wholesale Market Charges				
147 148	Burchaco	······································				
147 148 149	Purchase	d Power		ADECINS		
147 148 149 150	Purchase	d Power	IPROTECTED DAT	A BEGINS		
147 148 149 150	Purchase	d Power Edgeley PPA	IPROTECTED DAT.	A BEGINS		
147 148 149 150 151 152		d Power Edgeley PPA Langdon PPA	IPROTECTED DAT	A BEGINS		
147 148 149 150 151 152 153		d Power Edgeley PPA Langdon PPA Ashtabula III PPA	IPROTECTED DAT.	A BEGINS		
147 148 149 150 151 152 153 154		d Power Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	[PROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155		d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance	IPROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156		d Power Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	IPROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156		d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT,	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156 157		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads	IPROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DAT.	A BEGINS		
147 148 149 150 151 152 153 154 155 156 157 158 159		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases				Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases		PROTECTED DAT	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases			A ENDS]	
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 22.81	PROTECTED DAT \$ 36.23	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		PROTECTED DAT	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases	\$ 22.81 \$ 33.02	PROTECTED DAT \$ 36.23 \$ 34.28	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 22.81	PROTECTED DAT \$ 36.23	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
47 48 49 50 51 52 53 54 55 55 55 55 55 55 55 55 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Total Purchases taliment sed Sales	\$ 22.81 \$ 33.02 \$ 36.25	PROTECTED DAT \$ 36.23 \$ 34.28 \$ 48.62	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
47 48 49 50 51 52 53 54 55 55 55 55 55 55 55 55 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases	\$ 22.81 \$ 33.02	PROTECTED DAT \$ 36.23 \$ 34.28	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
47 48 49 50 51 52 53 54 55 55 55 55 55 55 55 55 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Total Purchases taliment sed Sales	\$ 22.81 \$ 33.02 \$ 36.25	PROTECTED DAT \$ 36.23 \$ 34.28 \$ 48.62	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fibel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 56 60 61 62 63 64 65 66 66	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 22.81 \$ 33.02 \$ 36.25 N/A	PROTECTED DAT \$ 36.23 \$ 34.28 \$ 48.62 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
47 48 49 50 51 52 53 55 55 55 55 55 55 60 61 62 63 64 65 66 66 67	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Total Purchases taliment sed Sales	\$ 22.81 \$ 33.02 \$ 36.25	PROTECTED DAT \$ 36.23 \$ 34.28 \$ 48.62	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fibel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 55 60 61 62 63 64 65 66 66 67 68	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases tailment tailment tailment Ed Sales Fuel Costs Asset Based Margins	\$ 22.81 \$ 33.02 \$ 36.25 N/A N/A	PROTECTED DA1 \$ 36.23 \$ 34.28 \$ 48.62 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 448 49 50 55 55 55 55 55 55 55 55 55 55 55 55	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 22.81 \$ 33.02 \$ 36.25 N/A	PROTECTED DAT \$ 36.23 \$ 34.28 \$ 48.62 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
47 448 50 55 55 55 55 55 55 55 55 55 55 60 60 61 62 63 64 65 65 66 66 66 66 66 66 66 66 66 66 66	Wind Cur Asset Ba Steam Pla	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total P	\$ 22.81 \$ 33.02 \$ 36.25 NA NA N/A	PROTECTED DA1 \$ 36.23 \$ 34.28 \$ 48.62 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 448 50 551 552 553 554 555 555 556 557 558 559 60 66 66 66 66 66 66 66 66 66 66 67 66 69 770	Wind Cur Asset Ba Steam Pla	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases tailment tailment tailment Ed Sales Fuel Costs Asset Based Margins	\$ 22.81 \$ 33.02 \$ 36.25 N/A N/A	PROTECTED DA1 \$ 36.23 \$ 34.28 \$ 48.62 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 448 49 550 551 552 553 554 555 556 557 558 60 61 661 662 663 664 665 666 665 666 667 668 669 6770 770	Wind Cur Asset Ba Steam Pla Steam/Wa	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Tailment Seed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 22.81 \$ 33.02 \$ 36.25 N/A N/A N/A	PROTECTED DA1 \$ 36.23 \$ 34.28 \$ 48.62 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
147 148 149 150 155 155 155 155 155 155 156 157 158 156 157 158 159 160 161 162 163 164 165 166 166 166 167 170	Wind Cur Asset Ba Steam Pla Steam/Wa	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total P	\$ 22.81 \$ 33.02 \$ 36.25 NA NA N/A	PROTECTED DA1 \$ 36.23 \$ 34.28 \$ 48.62 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 550 551 552 553 554 555 556 60 661 662 663 664 665 664 665 664 665 669 770 771 772 773	Wind Cur Asset Ba Steam Pla Steam/Wa	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Tailment Seed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 22.81 \$ 33.02 \$ 36.25 N/A N/A N/A	PROTECTED DA1 \$ 36.23 \$ 34.28 \$ 48.62 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
147 148 149 150 151 152 153 154 155 155 155 156 157 158 156 157 158 156 157 158 156 157 158 156 157 158 166 166 166 166 166 166 170 177 177 173	Wind Cur Asset Ba Steam Planing	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Tailment Seed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 22.81 \$ 33.02 \$ 36.25 N/A N/A N/A	PROTECTED DA1 \$ 36.23 \$ 34.28 \$ 48.62 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 25 of 78

					Actual - Expense	(Revenue)	
			May 2022 Forecast	May 2022 Actual			Notes
Line	Plant Ger		[PROTECTED DATA				
2		Big Stone Coyote	-				
3	-	Hoot Lake #2 Hoot Lake #3	-				Hoot Lake plant closed in May 2021 - removal of fuel remaining before deconstruction
5		Total Coal	\$ 1,871,514	\$ 2,532,561	PROTECT \$ 661,047	ED DATA ENDS] 35.32%	
7			IPROTECTED DATA		\$ 001,041	33.3270	
8		Langdon Wind Ashtabula Wind	-				
10 11		Luverne Wind Merricourt					
12 13		Total Wind		s -	PROTECT	ED DATA ENDS]	
14				Ŧ		U	
15 16		Total Hydro	S PROTECTED DATA	\$ - A BEGINS	\$ -	0	
17 18		Jamestown 1 Jamestown 2	-				
19		Lake Preston	-		PROTECT		
20 21		Total Oil - Peaking Units		\$ 36,673		ED DATA ENDS]	
22 23		Natural gas - Solway	[PROTECTED DATA	A BEGINS			
24 25		Natural gas - Astoria	-		PROTECT	ED DATA ENDS	
26		Total Natural Gas	\$ 205,209		\$ 1,477,644	720.07%	
27 28		Solar - Blue Jay	[PROTECTED DATA	A BEGINS			
29 30		Solar - Blue Heron			PROTECT	ED DATA ENDS]	
31 32		Total Solar	\$ -	\$-	\$ -	0	
33		Total OTP-Owned	\$ 2,076,723	\$ 4,252,087	\$ 2,175,364	104.75%	
34 35		e Market Charges					
36 37		MISO Wholesale Market Charges DA Asset Energy Amount***	\$ -	\$ -	ş -	0	Energy Amounts - included/embedded within Market Purchases
38 39	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	+	\$ - \$ -	\$ - \$	0	Energy Amounts - included/embedded within Market Purchases
40	555.19	RT Asset Energy Amount***		\$ -	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
41 42		RT Distribution of Losses Amount RT FBT Loss Amount	\$ (114,718) \$ -	\$ (371,851) \$ -	\$ (257,133) \$ -	224.14%	
43 44		DA Loss Amount RT Loss Amount	\$ 312,145	\$ 1,242,816	\$ 930,671	298.15% 476.50%	
45		RT Non-Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46 47	555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount		\$- \$-	\$ - \$ -	0	
48 49		RT Virtual Energy Amount DA Mkt Admin Amount	\$- \$57,444	\$ - \$ 55,777	\$ - \$ (1,667)	-2.90%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51		RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 6,642 \$ 2,486		\$ 1,415	21.31% -12.16%	
52	555.03	DA FBT Congestion Amount	\$-	\$-	\$ -	0	
53 54		DA Congestion RT FBT Congestion Amount	\$ 176,599 \$ -	\$ 3,135,376 \$ -	\$ 2,958,777 \$ -	1675.42% 0	
55 56	555.14	RT Congestion FTR Hourly Allocation Amount	\$ 18,715 \$ (312,657)		\$ 27,850 \$ (6,185,838)	148.81% 1978.47%	
57 58	555.15	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (17,636)	\$ (82,406)		367.25%	
59		FTR Monthly Transaction Amount	\$ (13,020)		\$ 13,020	-100.00%	
60 61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ (9,858) \$ 9,199			745.76% 806.31%	
62 63	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (181,585) \$ 181,557			789.36% 787.81%	
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 4,210	\$ 16,762	\$ 12,552	298.14%	
65 66	555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ -	\$ -	ş -	198.79% 0	
67 68		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 7,608 \$ (900)			204.18% 1631.22%	
69 70	555.29 555.30	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 19,075 \$ (7,792)	\$ 66,419 \$ -	\$ 47,345 \$ 7,792	248.21% -100.00%	
71	555.42	RT Price Volatility Make Whole Payment	\$ (15,936)		\$ (8,397)	52.69% 815.97%	
73	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 12,002	\$ -	\$ (12,002)	-100.00%	
74 75	555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$ 845 \$ -	\$ 5,386 \$ -	\$ 4,540 \$ -	537.13% 0	
76		RT Demand Response Allocation Uplift Amount DA Ramo Product	\$ 9,256 \$ (366)			553.05% 1966.99%	
78		RT Ramp Product RT Ramp Product RT Repering the formation of the second sec	\$ 21			-4310.69%	
79 80	555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***		\$ -	s -	0	Energy Amounts - included/embedded within Market Purchases
81 82		RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA		<u>\$</u> - \$-	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
83 84	555.06	DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$-	\$ - \$ -	\$ - \$ -	0	
85	555.23	RT Loss Rebate on COGA	\$ -	\$ -	ş -	0	
86 87		Net Congestion and Losses Adjustment & No DA Generation Schedu		\$ 94,051		0	
88 89		Total MISO Wholesale Market Charges	\$ 131,216	\$ (1,833,709)	\$ (1,964,925)	-1497.48%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90 91	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	\$ -	s -	s -	0	Energy Amounts - included/embedded within Market Purchases
92	555.03	DA Non-asset Energy Amount	\$ -	\$ -	\$ -	0	
93 94	555.00	RT Asset Energy Amount*** RT Non-Asset Energy Amount	\$-	<u></u>	\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
95 96		DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	\$ 235		\$ - \$ 673	0 286.47%	
97 98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$ - \$ 22	\$ -	ş -	02582.80%	
99	555.04	DA Regulation-Down Distribution Amount	\$ 15	\$ 48	\$ 32	212.61%	
100 101	555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$ 27 \$ 29	\$ 167	\$ 137	279.03% 468.57%	
102 103		DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ 4 \$ (0)		\$ 6 \$ 0	<u>161.13%</u> -100.00%	<u></u>
104	555.11	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (7,373) \$ (0)	\$ (21,173)	\$ (13,800)	187.17%	
106	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (7)	\$ (7)	2140.64%	
107 108		RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$ (1) \$ (0)	\$ (1)	\$ (1)	521.64% 2395.05%	<u> </u>
109 110	555.17	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (0) \$ (64,338)	\$ 0	\$ 0	-284.62%	
111	555.21	RT Pseudo Tie Loss Amount	\$ (16,760)	\$ (53,372)	\$ (36,612)	218.46%	
112	555.26	Miscellaneous Amount ARR Closeout Yearly Amount		\$ -	\$ 5 \$ -	-100.00%	
114 115		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	\$ (0) \$ 3		\$0 \$8	-100.00% 240.69%	
			0		. 0		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 26 of 78

116		RT Schedule 1A4 Amount	\$	18	\$	58		40	217.97%	
117		DA Ramp Up Distribution Amount	\$	-	\$	37		37		New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	(1)	\$	(1)	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	(1)	\$	(1)	0	New charge type in 2022
121		RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-		New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	Š	71		57	415.47%	
123		DA GFA Carve Out Distribution Deployment Monthly Amount	ŝ		Š	(0)		(0)	0	
124		DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	ŝ	-	ŝ	-	0	
124	333.27			(123.325)	\$	(425.667)		(302.341)	245.16%	
125		Total SFF Wholesale Warket Gharges	ş	(123,323)	Ŷ	(423,007)	Ŷ	(302,341)	243.1076	
120		MISO ASM			-		-			
127			¢	(27,414)	\$	(34,934)		(7,520)	27.43%	
		Day Ahead Regulation Amount	\$							
129		Real Time Regulation Amount	\$	7,030	\$	6,640	\$	(390)	-5.55%	
130		Regulation Cost Distribution Amount	\$	14,103	Ş	36,233		22,131	156.93%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(23,606)		(23,606)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(428)		(428)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	13,752		13,752	0	
134		Day Ahead Spinning Reserve Amount	\$	(15,402)	\$	(74,594)		(59,192)	384.30%	
135		Real Time Spinning Reserve Amount	\$	2,884	\$	934	\$	(1,950)	-67.62%	
136		Spinning Reserve Cost Distribution Amount	\$	13,168	\$	33,878	\$	20,710	157.27%	
137		Day Ahead Supplemental Reserve Amount	\$	(5,572)	\$	(22,793)	\$	(17,221)	309.04%	
138		Real Time Supplemental Reserve Amount	\$	1,415	ŝ	20,684	\$		1362.29%	
139		Supplemental Reserve Cost Distribution Amount	Š	2,558	Š	2,363		(195)	-7.62%	
140		Contingency Reserve Deployment Failure Charge Amount	Ś	_,000	\$		Š	-	0	
141			ŝ	2,572	ŝ	236		(2,336)	-90.83%	
142		Short-Term Reserve Deployment Failure Charge Amount	Š	2,012	\$	-	ŝ	-	0.0070	
143		Net Regulation Adjustment Amount	ş	1.676	ŝ	(1,989)		(3.665)	-218.62%	
143		Total MISO ASM		(2.983)	ŝ	(43.624)		(40.640)	1362.30%	
144		Total WISO ASW	ð	(2,903)	3	(43,024)	3	(40,040)	1302.30%	
		Total Whatevela Maded Observa	¢	40.400		(0.000.000)		(0.040.400)	E000 70%	
146		Total Wholesale Market Charges	\$	40,123	\$	(2,302,999)	\$	(2,343,123)	-5839.79%	
147										
148							_			
149	Purchase									
150			[PROT	ECTED DAT	A BI	EGINS				
151		Edgeley PPA	L						-	
152		Langdon PPA								
153		Ashtabula III PPA							_	
154		Tribal (WAPA)	T .							Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance	I							
156		Shared Loads	Ť.						-	
157		Small Co-gen	t i						-	
158		Bilateral purchases	t						-	
159		Market Purchases	t						-	MISO and SPP Energy Only
160		Market Farshadoo			-			PROTECT	ED DATA ENDSI	milee and of the Energy only
161		Total Purchases	s	5,562,753	\$	10,467,243	\$	4.904.490		Tribal (WAPA) excluded from Total
162		Total Fulcilases	, "	5,502,755	۳.	.0,407,243	Ψ.	4,504,450	00.17 /6	
162	Wind Cur	tailmont	\$	21,634	\$	132,416	e	110,782	512.07%	
163	wind Cur	laiment	Ş	∠1,03 4	- 2	132,410	- 3	110,702	312.07%	
	A court F			000.055	-	4 000 700	-	1 000 000	044 (===	Oradia to MALEOA Ordenian - Orden and from Total
165	Asset Bas		\$		\$	1,332,733		1,032,682		Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	S	298,110	\$	1,125,329	\$	827,219	277.49%	
167		Asset Based Margins	\$	1,941	\$	207,404	\$	205,463	10583.47%	
168										
169	Steam Pla	ant Reagents	\$		\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
170										
171	Steam/Wa	ater Sales	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
172						_				
173	Planning	Resource Auction Revenues	\$	-	\$	-	S	-	0	Effective June 2022
174			Ľ		Ť		Ť			
175	Total Svs	tem - Plant Level	\$	7.401.181	\$	11.216.014	\$	3.814.833	51.54%	Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total

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

Att2 Rate CalculationMN OTP Initial Filing 2021-05-03

\$7,401,181.46

			May 2022 F	precast to Actual	- MW	h
			May 2022			
Line	Diana Gau		Forecast	May 2022 Actual		Notes
Line 1	Plant Ger	Big Stone	[PROTECTED DAT	A BEGINS		
2		Coyote				
3 4		Hoot Lake #2 Hoot Lake #3	_	-		Hoot Lake plant closed in May 2021
5				TECTED DATA E	NDS]	
6		Total Coal	52,532 [PROTECTED DAT			
8		Langdon Wind	[PROTECTED DAT	A DEGINS		
9		Ashtabula Wind		-		
10 11		Luverne Wind Merricourt		. –		
12				TECTED DATA E	NDS]	
13		Total Wind	96,789	76,485		
14 15		Total Hydro	1,699	1,779		
16			[PROTECTED DAT			
17 18		Jamestown 1 Jamestown 2	_			
19		Lake Preston	_			
20 21		Total Oil - Peaking Units	PRO	TECTED DATA E	NDS	
22			[PROTECTED DAT			
23 24		Natural gas - Solway Natural gas - Astoria	_			
24		Natural gas - Astona	PRO	TECTED DATA E	NDS]	
26		Total Natural Gas	7,262	18,648		
27 28		Solar - Blue Jay	[PROTECTED DAT	A BEGINS		
29		Solar - Blue Heron				
30 31		Total Solar	PRO	TECTED DATA E	NDS]	
31 32						
33		Total OTP-Owned	158,282	188,536		
34 35	Wholesal	e Market Charges	-	<u> </u>		
35 36		MISO Wholesale Market Charges				
37 38		DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
39	555.09	DA Non-asset Energy Amount***	N/A	N/A		
40 41	555.19 555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
42	555.21	RT FBT Loss Amount	N/A	N/A	F	
43		DA Loss Amount	N/A	N/A		
44 45		RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A	-	
46	555.08	DA Losses Rebate on Option B GFA	N/A	N/A		
47 48		DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
		DA Mkt Admin Amount	N/A	N/A		
		RT Mkt Admin Amount	N/A	N/A		
51 52		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
53		DA Congestion	N/A	N/A		
54 55	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
56	555.14	FTR Hourly Allocation Amount	N/A	N/A		
		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
59	555.35	FTR Monthly Transaction Amount	N/A	N/A		
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
61 62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
63	555.38	FTR Annual Transaction Amount	N/A	N/A		
64 65	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
66	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
67 68	555.1 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amoun	N/A	N/A		
		RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71 72	555.42 555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
73	555.25	RT Misc Amount	N/A	N/A		
	555.27	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
	555.59	RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
77	555.63	DA Ramp Product	N/A	N/A		
78 79		RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
80	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
	555.56 555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A	<u> </u>	
83	555.06	DA Losses Rebate on COGA	N/A	N/A		
84 85	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A	<u> </u>	
85 86		RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A	F	
87						
88 89		Total MISO Wholesale Market Charges			-	
90		SPP Wholesale Market Charges				
91 92		DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
93	555.09	RT Asset Energy Amount***	N/A	N/A		
94	555	RT Non-Asset Energy Amount	N/A	N/A		
		DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
		RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A	-	
100	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
101 102	555.06	DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A	-	
	555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A	-	
104	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
105 106	555.12 555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A	-	
107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
109		RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A	L	
111	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
110	555.23	Miscellaneous Amount	N/A	N/A	I	
112 113		ARR Closeout Yearly Amount	N/A	N/A		
112 113 114	555.26 555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A N/A	N/A N/A N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 28 of 78

		RT Schedule 1A4 Amount	N/A	N/A		
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	-	
133		Day Ahead Spinning Reserve Amount	N/A	N/A	1	
134		Real Time Spinning Reserve Amount	N/A	N/A	-	
135		Spinning Reserve Cost Distribution Amount	N/A N/A	N/A N/A		
136		Day Ahead Supplemental Reserve Amount	N/A N/A	N/A N/A	<u> </u>	
		Real Time Supplemental Reserve Amount	N/A N/A	N/A N/A		
138						
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	<u> </u>	
140	l	Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	<u> </u>	
141	l	Real Time Excessive Deficient Energy Deployment Charge Amoun	N/A	N/A	<u> </u>	
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	I	
143	L	Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145	L					
146		Total Wholesale Market Charges				
147						
148						
	Purchase	ed Power				
150			[PROTECTED DAT	A BEGINS		
151		Edgeley PPA				
152		Langdon PPA		-		
153		Ashtabula III PPA				
154		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance				
156	1	Shared Loads		-	1	
157		Small Co-gen			1	
158	1					
		Bilateral purchases				
159		Bilateral purchases Market Purchases				MISQ and SPP Energy Only
159 160		Bilateral purchases Market Purchases	PPO		NDS1	MISO and SPP Energy Only
160		Market Purchases		TECTED DATA E	NDS]	
160 161			PRO 244,602	TECTED DATA E	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
160 161 162	Wind C:::	Market Purchases Total Purchases	244,602	266,948	NDS]	
160 161 162 163	Wind Cur	Market Purchases Total Purchases			NDS]	
160 161 162 163 164		Market Purchases Total Purchases tailment	244,602 655	266,948 4,200	NDS]	Tribal (WAPA) excluded from Total
160 161 162 163 164		Market Purchases Total Purchases	244,602	266,948	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
160 161 162 163 164 165		Market Purchases Total Purchases tailment sed Sales	244,602 655	266,948 4,200	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
160 161 162 163 164		Market Purchases Total Purchases tailment	244,602 655	266,948 4,200	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
160 161 162 163 164 165 166		Market Purchases Total Purchases taliment sed Sales Fuel Costs	244,602 655	266,948 4,200	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
160 161 162 163 164 165 166		Market Purchases Total Purchases tailment sed Sales	244,602 655	266,948 4,200	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
160 161 162 163 164 165 166 167 168	Asset Ba	Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	244,602 655 8,583	266,948 4,200 16,687	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
160 161 162 163 164 165 166 167 168 169	Asset Ba	Market Purchases Total Purchases tailment sed Sales Fuel Costs	244,602 655	266,948 4,200	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
160 161 162 163 164 165 166 167 168 169 170	Asset Ba Steam Pl	Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	244,602 655 8,583	266,948 4,200 16,687	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
160 161 162 163 164 165 166 167 168 169 170	Asset Ba Steam Pl	Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	244,602 655 8,583	266,948 4,200 16,687		Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
160 161 162 163 164 165 166 167 168 169 170	Asset Ba Steam Pl	Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	244,602 655 8,583 -	<u>266,948</u> 4,200 16,687 -	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
160 161 162 163 164 165 166 167 168 169 170 171 172	Asset Ba Steam Pl Steam/W	Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	244,602 655 8,583 -	<u>266,948</u> 4,200 16,687 -	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
160 161 162 163 164 165 166 167 168 169 170 171 172	Asset Ba Steam Pl Steam/W	Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	244,602 655 8,583 -	<u>266,948</u> 4,200 16,687 -	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
160 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Asset Ba Steam Pl Steam/W Planning	Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	244,602 655 8,583 -	<u>266,948</u> 4,200 16,687 -	NDS]	Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719



Г			May 2022 Fore	ecast to Actual - \$	per MWh	
			May 2022	May 2022	por intern	
Line II			Forecast	Actual		Notes
Line F	Plant Ger	Big Stone	[PROTECTED DAT	A BEGINS		
2		Coyote	_			
3 4		Hoot Lake #2 Hoot Lake #3				Hoot Lake plant closed in May 2021
5				PROTECTED DAT	A ENDS	
6		Total Coal	\$ 35.63 [PROTECTED DATA			
8		Langdon Wind	[FROTECTED DATA	A BEGING		
9		Ashtabula Wind	-	-		
10 11		Luverne Wind Merricourt	-	-		
12				PROTECTED DAT	A ENDS]	
13 14		Total Wind	\$-	\$-		
15		Total Hydro	\$-	\$-		
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 2		_		
19 20		Lake Preston				
20		Total Oil - Peaking Units		PROTECTED DAT \$ -	A ENDS	
22			[PROTECTED DAT	A BEGINS		
23 24		Natural gas - Solway Natural gas - Astoria	-			
25				PROTECTED DAT	A ENDS]	
26 27		Total Natural Gas	\$ 28.26 [PROTECTED DAT	\$ 90.24 A BEGINS		
28		Solar - Blue Jay	_			
29 30		Solar - Blue Heron		PROTECTED DAT		
31		Total Solar		\$ -		
32 33		Total OTP-Owned	\$ 63.88	\$ 117.92		
34			ψ 53.88	ψ i17.92		
35	Wholesal	e Market Charges				
36 37 5	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
38 5	555.04	DA FBT Loss Amount	N/A	N/A		
	555.09 555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		<u> </u>
41 5	555.24	RT Distribution of Losses Amount	N/A	N/A		
	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
44		RT Loss Amount	N/A	N/A		
45 5	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
		DA Virtual Energy Amount	N/A	N/A		
48 5	555.32	RT Virtual Energy Amount	N/A	N/A		
	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51 5	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 5 53	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54 5	555.2	RT FBT Congestion Amount	N/A	N/A		
55 56 5	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
57 5	555.15	FTR Monthly Allocation Amount	N/A	N/A		
	555.17	FTR Yearly Allocation Amount	N/A	N/A		
	555.35 555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
61 5	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64 5	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
	555.41 555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
67 5	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68 5	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71 5	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
74 5	555.27	RT Net Inadvertent Amount	N/A	N/A		
	555.31 555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
77 5	555.63	DA Ramp Product	N/A	N/A		
		RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
80 5	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
	555.56 555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
83 5	555.06	DA Losses Rebate on COGA	N/A	N/A		
84 5	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 5 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A N/A	N/A N/A		<u> </u>
87						
88 89		Total MISO Wholesale Market Charges			-	+
90		SPP Wholesale Market Charges				
	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		<u> </u>
93 5	555.09	RT Asset Energy Amount***	N/A	N/A		
	555 555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
96 5	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
	555.15 555.04	DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
100 5	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
	555.06 555.07	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		+
103 5	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104 5	555.11 555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
105 5 106 5		RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
105 5 106 5 107 5	555.14		N/A			ł
105 5 106 5 107 5 108 5	555.14 555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A	N/A		
105 5 106 5 107 5 108 5 109 5 110 5	555.14 555.16 555.17 555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A	N/A		
105 5 106 5 107 5 108 5 109 5 110 5 111 5	555.14 555.16 555.17 555.2 555.21	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount				
105 5 106 5 107 5 108 5 109 5 110 5 111 5 112 5 113 5	555.14 555.16 555.17 555.2 555.21 555.23 555.26	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 30 of 78

	FFF 00	DT Only shale 4A4 Ann sund	N1/A	NI/A	1	
		RT Schedule 1A4 Amount	N/A N/A	N/A N/A	L	Neu sharas time in 2022
		DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount				New charge type in 2022
			N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
22	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
24	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
28		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
30		Regulation Cost Distribution Amount	N/A	N/A		
31		Day Ahead Short-Term Reserve Amount	N/A	N/A		
32		Real Time Short-Term Reserve Amount	N/A	N/A		
33		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
34		Day Ahead Spinning Reserve Amount	N/A	N/A		
35		Real Time Spinning Reserve Amount	N/A	N/A		
36		Spinning Reserve Cost Distribution Amount	N/A	N/A		
37		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
42		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
43		Net Regulation Adjustment Amount	N/A	N/A		
			N/A	N/A		
44		Total MISO ASM				
145						
		Total Wholesale Market Charges				
		Total Wholesale Market onarges				
146 147		Total Whoresale market onarges				
147 148						
147 148	Purchase					
147 148	Purchase		[PROTECTED DAT	A BEGINS		
147 148 149	Purchase		[PROTECTED DAT	A BEGINS		
147 148 149 150	Purchase	d Power	[PROTECTED DAT	A BEGINS		
147 148 149 150 151 152	Purchase	d Power Edgeley PPA Langdon PPA	[PROTECTED DAT. 	A BEGINS		
147 148 149 150 151 152 153	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DAT. 	A BEGINS		Not Applicable to FAR - Excluded from Total
147 148 149 150 151 152 153 154	Purchase	d Power Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	[PROTECTED DAT. 	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT. 	A BEGINS		Not Applicable to EAR - Excluded from Total
47 48 49 50 51 52 53 54 55 56	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DAT, 	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156 157	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads	(PROTECTED DAT, 	A BEGINS		Not Applicable to EAR - Excluded from Total
47 48 49 50 51 52 53 54 55 56 57 58	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smared Loads Smared Loads Small Co-gen Bilateral purchases	[PROTECTED DAT, 	A BEGINS		
147 148 149 150 151 152 153 154 155 156 157 158 159	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads	- 			Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases	- - - - - - - - - - - - - - - - - - -	PROTECTED DAT	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smared Loads Smared Loads Small Co-gen Bilateral purchases	- 	PROTECTED DAT	A ENDS]	
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Market Purchases Market Purchases Total Purchases	\$ 22.74	PROTECTED DAT \$ 39.21	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Market Purchases Market Purchases Total Purchases	- - - - - - - - - - - - - - - - - - -	PROTECTED DAT \$ 39.21	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Market Purchases Market Purchases Total Purchases	\$ 22.74	PROTECTED DAT \$ 39.21	TA ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases Total Purchases	\$ 22.74	PROTECTED DAT \$ 39.21	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Market Purchases Market Purchases Total Purchases	\$ 22.74 \$ 33.02	PROTECTED DAT \$ 39.21 \$ 31.52	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
47 48 49 50 51 52 53 54 55 55 55 55 55 55 55 55 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases tailment sed Sales	\$ 22.74 \$ 33.02 \$ 34.96	PROTECTED DAT \$ 39.21 \$ 31.52 \$ 79.87	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
47 48 49 50 51 52 53 54 55 56 57 55 56 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases Total Purchases	\$ 22.74 \$ 33.02	PROTECTED DAT \$ 39.21 \$ 31.52	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 56 57 58 59 60 61 62 63 64 65 66 66	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 22.74 \$ 33.02 \$ 34.96 N/A	PROTECTED DA1 \$ 39.21 \$ 31.52 \$ 79.87 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
47 48 49 50 51 52 53 55 55 55 55 55 55 56 57 58 59 60 61 62 63 64 65 66 66 67	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases tailment sed Sales	\$ 22.74 \$ 33.02 \$ 34.96	PROTECTED DAT \$ 39.21 \$ 31.52 \$ 79.87	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 55 55 55 60 61 62 63 64 65 66 66 67 68	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Ialiment sed Sales Fuel Costs Asset Based Margins	\$ 22.74 \$ 33.02 \$ 34.96 N/A N/A	PROTECTED DA1 \$ 39.21 \$ 31.52 \$ 79.87 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
47 448 49 50 55 55 55 55 55 55 55 55 55 55 55 55	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 22.74 \$ 33.02 \$ 34.96 N/A	PROTECTED DA1 \$ 39.21 \$ 31.52 \$ 79.87 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
47 448 49 50 55 55 55 55 55 55 55 55 55 55 55 55	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.74 \$ 33.02 \$ 34.96 NA NA	PROTECTED DA1 \$ 33.21 \$ 31.52 \$ 79.87 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 50 55 55 55 55 55 55 55 55 55 55 55 55	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Ialiment sed Sales Fuel Costs Asset Based Margins	\$ 22.74 \$ 33.02 \$ 34.96 N/A N/A	PROTECTED DA1 \$ 39.21 \$ 31.52 \$ 79.87 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 50 51 52 53 55 55 55 55 55 55 55 60 60 61 62 63 64 65 66 66 67 67 70 77	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.74 \$ 33.02 \$ 34.96 NA NA	PROTECTED DA1 \$ 33.21 \$ 31.52 \$ 79.87 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 550 551 552 553 555 556 557 558 60 61 662 663 664 665 666 665 667 668 669 6770 770	Wind Cur Asset Ba Steam Pl Steam/W	d Power Edgeley PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases taliment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 22.74 \$ 33.02 \$ 34.96 NA NA NA	PROTECTED DA1 \$ 33.21 \$ 31.52 \$ 79.87 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 550 551 552 553 554 555 556 60 661 662 663 664 665 664 665 664 665 669 770 771 772 773	Wind Cur Asset Ba Steam Pl Steam/W	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.74 \$ 33.02 \$ 34.96 NA NA	PROTECTED DA1 \$ 33.21 \$ 31.52 \$ 79.87 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Effective July 2022 - Docket No. E017/GR-20-719
147 148 149 150 155 155 155 155 155 155 156 156 157 158 156 157 158 156 157 158 156 157 158 156 157 158 159 160 161 162 163 164 165 165 170 171 171 177 177	Wind Cur Asset Ba Steam Pl Steam/W Planning	d Power Edgeley PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases taliment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 22.74 \$ 33.02 \$ 34.96 NA NA NA	PROTECTED DA1 \$ 39.21 \$ 31.52 \$ 79.87 N/A N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 31 of 78

				2022 Forecast to	Actua	al - Expense ((Revenue)	
			June 2022 Forecast	June 2022 Actual				Notes
Line 1	Plant Gen	eration Big Stone	[PROTECTED DAT					
2		Coyote Hoot Lake #2	-					Hoot Lake plant closed in May 2021
3 4 5		HOOT Lake #2 Hoot Lake #3	-	1		DROTECT	ED DATA ENDS	
6		Total Coal			\$	3,596,089	ED DATA ENDS] 169.62%	
7		Langdon Wind	[PROTECTED DAT	A BEGINS	-			
9 10		Ashtabula Wind Luverne Wind	F					
11		Merricourt	-		-	PROTECT		
12 13		Total Wind	\$-	\$-	\$	FRUIECTI	ED DATA ENDS] 0	
14 15		Total Hydro		\$-	\$	-	0	
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS				
18 19		Jamestown 2 Lake Preston	_					
20			•				ED DATA ENDS]	
21 22		Total Oil - Peaking Units	PROTECTED DAT	\$ 83,545 A BEGINS	\$	83,545	0	
23 24		Natural gas - Solway Natural gas - Astoria	-					
25 26		Total Natural Gas	\$ 216,801	\$ 2,586,209	ŝ	PROTECT 2,369,408	ED DATA ENDS] 1092.90%	
27		Solar - Blue Jay	PROTECTED DAT		1	_,,		
29		Solar - Blue Heron					J	
30 31		Total Solar	\$ -	ş -	\$	PROTECTI	ED DATA ENDS] 0	
32 33		Total OTP-Owned	\$ 2,336,825	\$ 8,385,867	\$	6,049,042	258.86%	
34 35	Wholesal	e Market Charges			Ē			
36		MISO Wholesale Market Charges	¢	¢	~			Enormy Amounte _ included/ambedded within Mediat Durahanae
37 38	555.02 555.04	DA Asset Energy Amount*** DA FBT Loss Amount	s - s -	\$ - \$ -	\$	-	0	Energy Amounts - included/embedded within Market Purchases
39 40	555.09 555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***		\$ - \$ -	\$ \$	-		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
41 42		RT Distribution of Losses Amount RT FBT Loss Amount	\$ (111,532) \$ -	\$ (447,658) \$ -)\$	(336,125)	301.37% 0	
43		RT Loss Amount RT Loss Amount	\$ 303,476 \$ 13,725	\$ 1,242,672	\$	939,196 (35,279)	309.48% -257.05%	
45		RT Non-Asset Energy Amount***	\$-	\$-	\$	-	0	Energy Amounts - included/embedded within Market Purchases
46 47	555.08 555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	\$ - \$ -	\$ - \$ -	\$ \$	-	0	
48 49		RT Virtual Energy Amount DA Mkt Admin Amount	\$ - \$ 58.820	\$ - \$ 50,007	\$	- (8,813)	-14.98%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51	555.18	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 7,657 \$ 2,754	\$ 8,356	\$	699 (539)		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52		DA FBT Congestion Amount	\$ -	\$-	\$		0	
53 54	555.20	DA Congestion RT FBT Congestion Amount	\$ 171,694 \$ -	\$ 1,246,807 \$ -	\$	1,075,113	626.18% 0	
55 56	555.14	RT Congestion FTR Hourly Allocation Amount	\$ 18,195 \$ (303,973)	\$ 191,785 \$ (1,722,629)		173,590 (1,418,656)	954.04% 466.70%	
57 58	555.15 555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (17,146) \$ -	\$ (156,832) \$ -)\$	(139,686)	814.66%	
59 60	555.35 555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	\$ (12,658) \$ (32,257)	\$ - \$ 144,710	\$	12,658 176,967	-100.00% -548.62%	
61 62	555.37	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ 32,660 \$ (258,085)	\$ (144,710) \$ (6,563,684)) \$	(177,370) (6,305,599)	-543.08% 2443.23%	
63		FTR Annual Transaction Amount	\$ 257,988	\$ 6,560,639	\$	6,302,650	2443.00%	
64 65		FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 1,946 \$ (34,936)	\$ 9,195 \$ (125,260)) \$	7,249 (90,324)	372.62% 258.54%	
66 67	555.07 555.10	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	\$ - \$ 4,989	\$ - \$ 23,794	\$	- 18,804	0 376.88%	
68 69	555.11 555.29	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ (13,790) \$ 19,075	\$ (18,403) \$ 82,029) \$	(4,613) 62,954	33.45% 330.04%	
70	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$-	\$	7,792	-100.00%	
71 72	555.42 555.28	RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (15,936) \$ 47,497	\$ (122,552) \$ 91,936	\$	(106,616) 44,439	669.03% 93.56%	
73 74	555.27	RT Misc Amount RT Net Inadvertent Amount	\$ 12,002 \$ 845	\$ 371 \$ 11,243		(11,632) 10,398	-96.91% 1230.12%	
75 76	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ - \$ 9,256		\$	- 33,034	0 356.89%	
77	555.63	DA Ramp Product RT Ramp Product	\$ (723) \$ (41)	\$ (5,185)) \$	(4,462)	617.39%	
79	555.65	RT Schedule 49 Cost Distribution Amount	\$ 10,804	\$ 16,210	\$	(1,857) 5,406	4583.50% 50.04%	
80 81	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	\$ - \$ -	\$ - \$ -	s s	-	0	
82 83	555.05 555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$ - \$ -	\$ - \$ -	ş	-	0	
84 85	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$ - \$ -	\$- \$-	\$	-	0	
86	500.20	Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 10,358		10,358	0	
87 88		Total MISO Wholesale Market Charges	\$ 95,284	\$ 343,674	\$	248,389	260.68%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89 90		SPP Wholesale Market Charges						
91 92	555.19	DA Asset Energy Amount***	\$- \$-	\$ - \$ -	\$ \$	-	0	Energy Amounts - included/embedded within Market Purchases
93 94	555.09	RT Asset Energy Amount RT Non-Asset Energy Amount	\$ - \$ -	\$-	\$	-		Energy Amounts - included/embedded within Market Purchases
95	555.02	DA Make-Whole-Payment Distribution Amount	\$ -	\$-	\$	-	0	
96 97	555.18	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	\$ 235 \$ -	\$ -	\$	(4)	-1.82%	
98 99		RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	\$ 22 \$ 15		\$	209 (3)	945.98% -19.42%	
100 101	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$ 27 \$ 29	\$ 30	\$	3	9.87% 73.66%	
102	555.07	DA Supplemental Reserve Distribution Amount	\$ 4	\$ 3	\$	(1)	-23.40%	
103 104	555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	\$ (0) \$ (7,168)	\$ (23,937)		0 (16,768)	-100.00% 233.92%	
105 106	555.12 555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	\$ (0) \$ (0)		\$)\$	7 (3)	-1492.88% 1076.10%	
	555.14	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$ (1) \$ (0)	\$ (4)) \$	(3)	453.97% 1658.42%	
109	555.17	RT Supplemental Reserve Distribution Amount	\$ (0)	\$ 0	\$	0	-284.62%	
110 111	555.21	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	\$ (62,551) \$ (16,294)	\$ (53,440)) \$	(303,042) (37,146)	484.48% 227.97%	
112 113	555.26	Miscellaneous Amount ARR Closeout Yearly Amount	\$ (5) \$ (90,194)		\$) \$	5 (103,928)	-100.00% 115.23%	
114	555.28	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	\$ (0)	\$-	\$	0 (0)	-100.00% -7.16%	
110	333.23	Constant The Amount		. ¥ 3	ļφ	(0)	-7.10%	

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 32 of 78

116 53:0 15 5 16 5 (7) 13,270 116 353:0 17 18,270 13,270 13,270 13,270 117 353:0 17 18,270 10,000 10,000 10,000 10,000 118 353:0 17 18,000 10,000											
118 65.32 DA Ramp Dom Distribution Anount \$. \$. \$. 0 New charge hype n 2022 121 055.3 RT Famp Non Methoma Distribution Anount \$. \$ 0 0 0 New charge hype n 2022 121 055.3 RT Famp Non Methoma Distribution Anount \$. \$ 0 0 New charge hype n 2022 122 055.3 RT Famp Non Methoma Distribution Descingent Distribution Methoma Market \$ 0 0	116		RT Schedule 1A4 Amount	\$	18					-13.37%	
119 55.3 RF Rang bon Partomace Distribution Amount \$ \$ \$ 0 New drage byte n 2022 265.4 RF Rang bon Partomace Distribution Amount \$ </td <td></td>											
101 65.3.4 RF Rang Log Distribution Amount \$. \$. 0. New charps type in 2022 102 65.6.5 R Rang Log Distribution Amount 1 1 3 . 3 300.0 102 65.6.5 R Rang Log Distribution Amount 1 1 3 . 300.0 102 65.7.5 R Carl Color Distribution Amount 1 1 2 . . 300.0 103 65.7 R Carl Color Distribution Amount 1 1 61.0 1 .				\$							
121 653.50 RT Famp Dom Dutinition Amount \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ 	119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	(0)	\$	(0)	0	New charge type in 2022
122 653.01 DA GFA Carevo Quantibution Degloyment Date Annuart \$ 14 15 16 17.2 17.2	120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	(0)	\$	(0)	0	New charge type in 2022
123 65.22 DA GFA Carve QL Distribution Deglogment Monthly Amount \$ 0 \$ (23) 3 (23) 3 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1 (23) 1	121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
124 65 27 DA GPA Care Que Distribution Deployment Yearly Anount \$ (*123) <li< td=""><td>122</td><td>555.01</td><td>DA GFA Carve Out Distribution Deployment Daily Amount</td><td>\$</td><td>14</td><td>S</td><td>18</td><td>\$</td><td>5</td><td>32.99%</td><td></td></li<>	122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	S	18	\$	5	32.99%	
124 652 77 A GFA Carse Out Distribution Deployment Yeardy Annount \$ Construct Charges First 250 First	123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	S	0	S	(0)	\$	(0)	-300.00%	
Total SPP Wholesafe Market Charges \$ (172.326) \$ (173.276) (163.186) (163.186) (163.186) (163.186) (163.186) (163.186) (163.186) (163.186) (163.186) (163.186) (163.186) (163.186) (163.186) (163.186) (173.186) (173.128 %) (173.186) (ŝ							
120 MISO ASM 1 <th1< th=""> <th1< th=""> 1 <th1< <="" td=""><td></td><td></td><td></td><td></td><td>(123 325)</td><td></td><td></td><td></td><td></td><td>416 12%</td><td></td></th1<></th1<></th1<>					(123 325)					416 12%	
128 Day Abead Regulation Amount \$ 44,0100 \$ 31,3221 \$ 6,179 -20.40% 130 Regulation Amount \$ 11,117 \$ 23,341 \$ 6,1326 1-32.86% 130 Regulation Amount \$ 11,117 \$ 23,2341 \$ 6,1326 1-32.86% 131 Day Times Source Amount \$ 11,126 11,326 1-32.86% 133 Dayn Test Reserve Coel Desthubion Amount \$ 1 7,125 0 0 133 Dayn Abead Spanning Reserve Amount \$ 12,0271 2,12521 2,12721 -48.4075 134 Dayn Abead Spanning Reserve Amount \$ 2,0271 \$ 3,13261 23.13 -13.4075 139 Real Time Supplemental Reserve Cool Distribution Amount \$ 2,0271 \$ 3,238 19.96% 139 Real Time Supplemental Reserve Amount \$ 2,0272 \$ 3,238 19.4075 139 Real Time Supplemental Reserve Amount \$ 2,0272 \$ 2,1391 -40.17			Total of 1 Whotoode Market enarged	Ť	(120,020)	Ť	(000,011)	Ť	(010,100)	41011270	
128 Day Abead Regulation Amount \$ 44,0100 \$ 31,3221 \$ 6,179 -20.40% 130 Regulation Amount \$ 11,117 \$ 23,341 \$ 6,1326 1-32.86% 130 Regulation Amount \$ 11,117 \$ 23,2341 \$ 6,1326 1-32.86% 131 Day Times Source Amount \$ 11,126 11,326 1-32.86% 133 Dayn Test Reserve Coel Desthubion Amount \$ 1 7,125 0 0 133 Dayn Abead Spanning Reserve Amount \$ 12,0271 2,12521 2,12721 -48.4075 134 Dayn Abead Spanning Reserve Amount \$ 2,0271 \$ 3,13261 23.13 -13.4075 139 Real Time Supplemental Reserve Cool Distribution Amount \$ 2,0271 \$ 3,238 19.96% 139 Real Time Supplemental Reserve Amount \$ 2,0272 \$ 3,238 19.4075 139 Real Time Supplemental Reserve Amount \$ 2,0272 \$ 2,1391 -40.17	127	1	MISO ASM			-					
120 Real Time Regulation Amount \$ 7,100 \$ (2,344) \$ (2,344) \$ (2,344) \$ (2,344) \$ (2,344) 131 Day Assad Short Tim Restrict Amount \$ (11,117) \$ (2,342) \$ (16,870) 0 132 Data Time Short Amount \$ (11,117) \$ (2,342) \$ (16,870) 0 132 Data Time Short Amount \$ (11,970) \$ (23,452) \$ (23,450) 0 134 Day Assad Short Tim Restrice Amount \$ (2,2432) \$ (2,2432) \$ (2,2432) \$ (2,2432) 135 Restrice Amount \$ (2,2432) \$ (2,2432) \$ (2,2432) \$ (2,2432) 135 Restrice Amount \$ (2,253) \$ (2,2432) \$ (2,2432) \$ (2,2432) 136 Restrice Amount \$ (2,253) \$ (2,2432) \$ (2,2432) \$ (2,2432) 137 Day Assad Sprinting Reserve Amount \$ (2,253) \$ (2,243) \$ (2,243) 138 Restrice Reserve Amount \$ (2,253) \$ (2,243) \$ (2,243) 139 Signific Reserve Amount \$ (2,253) \$ (2,243) \$ (2,243) 139 Signific Reserve Amount \$ (2,551) \$ (2,462) \$ (2,462) 140 Comingory Reserve Amount \$ (2,551) \$ (2,250) \$ (2,163)				¢	(40,100)	¢	(31 022)	\$	8 170	-20.40%	
130 Regulation Cost Distribution Amount \$ 111,117 \$ 2,2042 \$ 119,268 107,288 131 Dou Ahead Short-Term Reserve Amount \$											
131 Day Anead Short-Term Reserve Amount \$ \$ \$ (18,970) 0 132 Real Time Short-Term Reserve Amount \$ \$ \$ (18,970) 0 133 Short-Term Reserve Amount \$ \$ \$ (13,60) \$ 0 134 Dav Ahead Spinning Reserve Amount \$ \$ (10,62) \$ (12,72) 4.484 02% 135 Real Time Spinning Reserve Amount \$ \$ 2,023 \$ (12,72) 4.484 02% 136 Real Time Spinning Reserve Amount \$ \$ 2,023 \$ (12,72) 4.484 02% 137 Dav Ahead Spinning Reserve Amount \$ \$ 2,023 \$ 3,235 1199,99% 138 Supplemental Reserve Col Datthbulko Amount \$ \$ 1,501 \$ 3,268 \$ 2,444 14% 139 Supplemental Reserve Col Datthbulko Amount \$ 2,572 \$ 1,308 \$ (12,62) 45,17% 140 Contingency Reserve Deployment Failure Charge Amount \$ 2,572 \$ (13,081) \$ (253,093) 242,13% 141 Real Time Scasse Deployment Failure Charge Amount \$ 1,577 \$ (13,081) \$ (253,093) 242,13% 142 Sho											
132 Rela Time Short-Term Reserve Amount \$ \$ (360) 0 133 Short-Term Reserve Amount \$ 7.125 \$ 7.125 \$ 0 134 Day Anag Sprining Reserve Amount \$ (10.474) \$ (20.458) \$ 20.194% 135 Real Time Sprining Reserve Amount \$ 2.628 \$ (10.822) \$ (22.11 -48.4025 135 Day Anag Supplemental Reserve Amount \$ 2.628 \$ (22.21) -68.4025 136 Real Time Supplemental Reserve Amount \$ 2.628 \$ (22.21) -68.4025 138 Real Time Supplemental Reserve Amount \$ 2.622 \$ 5.237 \$ 3.236 158.98% 139 Supplemental Reserve Amount \$ 1.501 \$ 3.262 4.838 \$ (14.41%) 140 Real Time Supplement Parametal Reserve Amount \$ 2.627 \$ 7.0 - 141 Real Time Supplement Parametal Reserve Amount \$ 2.672 \$ 1.967 \$ 141 Real Time Supplement Parametal Reserve Amount \$ 1.967 \$ (25.00) 1.907 144 Total Miso AstM											
133 Short-Term Reserve Cost Distribution Amount \$ 17.125 0 134 Day Abad Spinning Reserve Amount \$ (10.874) \$ (22.832) \$ (21.959) 20.14%; 135 Real Time Spinning Reserve Amount \$ 2.628 \$ (10.874) \$ (23.832) \$ (21.959) 20.14%; 136 Spinning Reserve Amount \$ 0.874 143.418; 143.418; 143.418; 137 Day Abread Spinning Reserve Amount \$ 0.874 163.428; 163.429;				7							
136 Day Anad Spinning Reserve Anount \$ (10.74) \$ (22.82) \$ (21.959) 201.94% 136 Real Time Spinning Reserve Anount \$ 2.628 \$ (10.022) \$ (12.721) -444.02% 137 Day Anad Supplemental Reserve Anount \$ (10.022) \$ (12.721) -444.02% 138 Real Time Supplemental Reserve Anount \$ (25.83) \$ (25.01) 552.24% 139 Day Anad Supplemental Reserve Anount \$ (20.22) \$ 2.62.75 \$ 3.236 199.04% 139 Day Anad Supplemental Reserve Anount \$ 2.02.72 \$ 3.246 104.445 140 Real Time Supplemental Reserve Anount \$ 2.07.72 \$ 1.001 \$ 0 142 Short Term Reserve Deployment Charge Anount \$ 1.077 \$ (17.20) 1.03.07% 143 Net Regulation Adjustment Anount \$ 1.077 \$ (265.278) 267.02% 144 Total MSo ASM \$ (17.200) \$ (255.278) 267.02% 145 E digdep PA \$											
136 Reis Time Spinning Reserve Amount \$ 2.628 \$ (10,221) -448.02% 138 Spinning Reserve Amount \$ 0.5533 \$ (22,221) -414.02% 139 Day Ahead Supplemental Reserve Amount \$ (65,533) \$ (23,251) 552.3% 139 Real Time Supplemental Reserve Amount \$ 2.022 5.257 \$ 2.326 1509.6% 139 Real Time Supplemental Reserve Amount \$ 1.01 \$ 3.326 1509.6% 130 Real Time Supplemental Reserve Amount \$ 1.01 \$ 3.326 1509.6% 140 Continging Reserve Deloyment Falue Charge Amount \$ 1.577 \$ 1.28 1.644.1% 141 Northight Reserve Deloyment Falue Charge Amount \$ 1.676 \$ 1.210 1.010.67% 142 North Reserve Deloyment Falue Charge Amount \$ 1.676 \$ (2.190) 1.020.67% 144 North Reserve Deloyment Falue Charge Amount \$ 1.676 \$ (2.190) 1.027% 144 North Reserve Charge Market Charges \$ (9.9349) \$ <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
139 Spinning Reserve Cost Distribution Amount \$ 9.154 \$ 22.221 \$ 13.467 147.11% 137 Day Ahed Supplemental Reserve Amount \$ 20.221 \$ 32.751 552.34% 138 Real Time Supplemental Reserve Amount \$ 20.222 \$ 32.751 552.34% 139 Supplemental Reserve Cost Distribution Amount \$ 1.501 3.986 \$ 2.468 164.41% 140 Contingeno, Reserve Deployment Falure Charge Amount \$ - \$											
137 Bay Ahead Supplemental Reserve Amount \$ (5,583) \$ (3,693) \$ (2,501) (59,895) (12,593) (12,594) (159,895) (12,495) (159,895) (12,495)											
138 Real Time Supplemental Reserve Amount \$ 2,022 \$ 5,277 \$ 3,235 159,96% 139 Supplemental Reserve Cas Distribution Amount \$ 1,501 \$ 3,888 2,468 164,41% 140 Contingency Reserve Deglotement Falure Charge Amount \$ 2,572 \$ 1,308 \$ 1,476 141 Real Time Excessive Deflocit Rearge Quegloyment Falure Charge Amount \$ 2,572 \$ 1,308 \$ 1,476 142 Short-Term Reserve Degloyment Falure Charge Amount \$ 1,676 \$ (1,265) 49,17% 143 Net Regulation Adjustment Amount \$ 1,676 \$ (1,265) 49,17% 144 Total MNolesale Market Charge \$ (19,348) \$ (265,278) 267,02% 146 Total Wholesale Market Charge \$ (99,349) \$ (364,627) \$ (265,278) 267,02% 148 Purchased Power											
139 Supplemental Reserve Degloyment Anount \$ 1,501 \$ 3,968 \$ 2,488 164,41% 140 Contingency, Reserve Degloyment Charge Amount \$ 2,572 \$ 7 0 141 Real Time Excessive Defloyment Charge Amount \$ 2,572 \$ 7 0 142 Short-Term Reserve Degloyment Charge Amount \$ 2,572 \$ 7,100 100 143 Net Regulation Adjustment Amount \$ 1,676 \$ (514) \$ 2,190 130,67% 144 Total MISO ASM \$ (16,771) \$ (71,730) \$ (265,276) 267,02% 144 Total Wholesale Market Charge S (199,349) \$ (265,276) 267,02% 267,02% 147 Total Wholesale Market Charge S (199,349) \$ (265,276) 267,02% 267,02% 147 Total Wholesale Market Charge S (199,349) \$ (265,276) 267,02% 267,02% 148 Purchased Power [Portected DATA BEGINS] [Portected DATA BEGINS] [Portected DATA EBGINS] [Portected DATA EBGINS] [Portected DATA EBGINS.											l
140 Contingency, Reserve Deployment Failure Charge Amount \$ \$ \$ 7 \$ 7 0 141 Real Time Excessive Deficient Endry Deployment Failure Charge Amount \$ 2.572 \$ 1.08 \$ 1.06 142 Short-Term Reserve Deployment Failure Charge Amount \$ 1.576 \$ (514) \$ 0 143 Net Regulation Adjustment Amount \$ 1.576 \$ (514) \$ 0.790 1.30.67% 144 Total Wholesale Market Charges \$ (99,349) \$ (364,627) \$ 267,02% 147 Total Wholesale Market Charges \$ (99,349) \$ (364,627) \$ 267,02% 148 Total Wholesale Market Charges \$ (99,349) \$ (364,627) \$ 267,02% 148 Total Wholesale Market Charges \$ (99,349) \$ (364,627) \$ 267,02% 148 Total Wholesale Market Charges \$ (99,349) \$ (364,627) \$ 267,02% 150 Langdon PPA Image: S (91,74) Image: S (91,74) Image: S											
141 Real Time Excessive Deployment Charge Amount \$ 1,308 \$ -49.17% 142 Short-Term Reserve Deployment Palure Charge Amount \$ \$ -0 143 Net Regulation Adjustment Amount \$ \$ -0 144 Total MISO ASM \$ (1,766) \$ -00 144 Total MISO ASM \$ (1,767) \$ (2,190) -130.67% 144 Total MISO ASM \$ (1,767) \$ (2,190) -130.67% 144 Total MISO ASM \$ (1,767) \$ (2,503) 28213% 145 Total Wholesale Market Charges \$ (99,349) \$ (364,627) \$ (265,278) 267.02% 147 Exclude PA Parchased Power 148 Purchased Power <t< td=""><td></td><td></td><td></td><td>\$</td><td>1,501</td><td></td><td></td><td></td><td></td><td>164.41%</td><td></td></t<>				\$	1,501					164.41%	
142 Short-Term Reserve Deployment Failure Charge Amount \$				\$						0	
143 Net Regulation Adjustment Amount \$ 1.676 \$ (.514) \$ (.2190) -130.67% 144 Total MisO ASM \$ (18.787) \$ (.71.790) \$ (.53.003) 282.13% 145 Total Wholesale Market Charges \$ (.99,349) \$ (.364,627) \$ (.265,278) 287.02% 147 Total Wholesale Market Charges \$ (.99,349) \$ (.364,627) \$ (.265,278) 267.02% 148 Image: Control of the state of	141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	1,308	\$	(1,265)	-49.17%	
144 Total MISO ASM \$ (18,727) \$ (71,790) \$ (53,003) 282,13% 145 Total Wholesale Market Charges \$ (99,349) \$ (364,627) \$ (265,278) 267,02% 146 Total Wholesale Market Charges \$ (99,349) \$ (364,627) \$ (265,278) 267,02% 147 Purchased Power PROTECTED DATA BEGINS Protected Power 150 Edgeley PPA PROTECTED DATA BEGINS PROTECTED DATA BEGINS 151 Edgeley PPA Not Applicable to EAR - Excluded from Total 153 Ashtabual II PPA Not Applicable to EAR - Excluded from Total 154 Tribal (WAPA) Not Applicable to EAR - Excluded from Total 155 Shared Loads More Active and the applicable to EAR - Excluded from Total 156 Shared Loads Market Purchases MISO and SPP Energy Only 160 Total Purchases \$ 0,011,252 \$ 8,482,159 \$ 3,470,908 69,26% 161 Total Purchases \$ 13,608 \$ 216,985 \$ 203,377 1494,53% 164				\$		\$					
145 Total Wholesale Market Charges 2 2 2 2 147	143	1	Net Regulation Adjustment Amount	\$	1,676	\$	(514)	\$	(2,190)	-130.67%	
146 Total Wholesale Market Charges \$ (99,349) \$ (364,627) \$ (265,278) 267.02% 148 Purchased Power Parchased Power Parchased Power Parchased Power 150 Edgeley PPA PROTECTED DATA BEGINS Protected power 151 Edgeley PPA Protected power Protected power 152 Langdon PPA Protected power Protected power 153 Ashtabula II PPA Protected power Protected power 154 Triba (WAPA) Protected power Protected power 155 WiAPA Energy Imbalance Not Applicable to EAR - Excluded from Total 156 Shared Loads Protectade power MiSO and SPP Energy Only 158 Bilateral purchases S 101,252 \$ 8,482,159 \$ 3,470,908 160 Total Purchases \$ 216,965 \$ 203,377 1494,53% 161 Total Purchases \$ 216,965 \$ 203,377 1494,53% 162 S 205,912,525 \$ 1,081,563 749,31% Credit to MN FCA Calculation - Subtracted from Total 162 S 203,977 1494,53% S 20,009% S 20,09% S 2	144		Total MISO ASM	\$	(18,787)	\$	(71,790)	\$	(53,003)	282.13%	
147 Image: constraint of the second seco	145	1									
148 Purchased Power Image: constraint of the second s	146		Total Wholesale Market Charges	\$	(99,349)	\$	(364,627)	\$	(265,278)	267.02%	
149 Purchased Power IPROTECTED DAT, BEGINS 150 IPROTECTED DAT, BEGINS IPROTECTED DAT, BEGINS 152 Langdon PPA 153 Ashtabula II PPA 154 Tribal (WAPA) 155 WAPA Energy Inbalance 156 Shared Loads 157 Small Co-gen 168 Bilateral purchases 169 Market Purchases 160 Co-gen 161 Total Purchases 162 Stateral purchases 163 Market Purchases 164 Total Purchases 165 Shared Loads 168 Wind Curtailment 169 Market Purchases 160 Saset Based Sales 164 \$ 13,608 \$ 216,905 165 Shared Loads 166 Fuel Costs \$ 117,992 \$ 1,225,905 \$ 1,049,1563 749,31% 166 Fuel Costs \$ 20,349 \$ (1,604) \$ (2,7853) -106,09% 167 Asset Based Margins \$ 20,349 \$ (1,604) \$ (2,7853) -106	147										
150 IPROTECTED DATA BEGINS Image: constraint of the second se	148										
151 Edgeley PPA 152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Inbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 160 Market Purchases 161 Total Purchases 162 Market Purchases 163 Kota SPP Energy Only 164 Total Purchases 165 Shared Loads 166 Total Purchases 167 Set Based Sales 168 Wide Casta 169 Market Purchases 160 State Based Sales 161 Set Based Sales 162 State Based Sales 163 Wind Castalianon 164 State Based Sales 165 Set Based Margins 166 Fuel Costs 167 Asset Based Margins 168 Wind Costalianon 169 Fuel Costs 160 State Based Margins 161	149	Purchase	d Power								
151 Edgeley PPA 152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Inbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 160 Market Purchases 161 Total Purchases 162 Market Purchases 163 Kota SPP Energy Only 164 Total Purchases 165 Shared Loads 166 Total Purchases 167 Set Based Sales 168 Wide Casta 169 Market Purchases 160 State Based Sales 161 Set Based Sales 162 State Based Sales 163 Wind Castalianon 164 State Based Sales 165 Set Based Margins 166 Fuel Costs 167 Asset Based Margins 168 Wind Costalianon 169 Fuel Costs 160 State Based Margins 161	150			[PRO	TECTED DAT	AB	GINS				
152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160 arket Purchases 161 Total Purchases 162 PROTECTED DATA ENDS] 163 Wind Curtailment 164 \$ 13,608 \$ 216,985 \$ 203,377 165 See Based Sales \$ 117,992 \$ 1,252,905 \$ 1,081,563 166 Fuel Costs \$ 117,992 \$ 1,225,905 \$ 1,081,563 749,31% 166 Fuel Costs \$ 117,992 \$ 1,225,905 \$ 1,081,663 749,31% 167 Asset Based Margins \$ 26,98 \$ (16,904) \$ (27,953) 106.09% 168 - - \$											
153 Astributa III IPPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 160 Market Purchases 161 Total Purchases 162 Stateral purchases 163 Market Purchases 164 Total Purchases 165 Stateral purchases 166 Fuel Querchases 167 Stateral purchases 168 Market Purchases 169 Market Purchases 160 Stateral purchases 161 Total Purchases 162 Stateral purchases 163 Wind Curtailment 164 Stateral purchases 165 Stateral purchases 166 Fuel Costs 167 Asset Based Margins 168 Ware Costs 169 Asset Based Margins 160 Stateral purchases 161 Stateral purchases 162 State Based Margins				Ē.						•	
154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 150 Market Purchases 150 Market Purchases 160				t i						•	
155 WAPA Energy Imbalance 156 Shard Loads 157 Smail Co-gen 158 Bilateral purchases 159 Market Purchases 160				F							Not Applicable to EAR - Excluded from Total
156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160 PROTECTED DATA ENDS] 161 Total Purchases 162 PROTECTED DATA ENDS] 163 Mind Curtaliment 164 \$ 13,608 \$ 216,985 165 Asset Based Sales \$ 144,342 \$ 1,225,905 166 Fuel Costs \$ 117,992 \$ 1,225,905 167 Asset Based Margins \$ 26,349 \$ (109,516 168				È.						•	
157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160 Market Purchases 161 Total Purchases 162 State Purchases 163 Wind Curtaliment 163 Vind Curtaliment 164 122,5905 165 Asset Based Sales 166 Fuel Costs 167 Asset Based Margins 168 109,516 169 Steam Plant Reagents 170 5 170 5 171 Steam Water Sales 172 5 173 Planning Resource Auction Revenues 174 5				t i						1	
158 Bilderal purchases MSO and SPP Energy Only 159 Market Purchases MISO and SPP Energy Only 160 PROTECTED DATA ENDS] 161 Total Purchases \$ 3,470,908 162 PROTECTED DATA ENDS] 163 PROTECTED DATA ENDS] 164 PROTECTED DATA ENDS] 165 PROTECTED DATA ENDS] 166 PROTECTED DATA ENDS] 167 Asset Based Margins \$ 114,342 168 \$ 117,992 \$ 1,225,905 169 Steam Plant Respents \$ 26,347 169 Steam Plant Respents \$\$\$ 170				t i						-	
159 Market Purchases MSO and SPP Energy Only 160				t i							
160 PROTECTED DATA ENDS1 161 Total Purchases \$ 5,011,252 \$ 3,470,908 69.26% Tribal (WAPA) excluded from Total 162 163 Wind Curtailment \$ 13,608 \$ 216,995 \$ 203,377 1494.53% 164 \$ 13,608 \$ 216,995 \$ 203,377 1494.53% 164 \$ 13,208 \$ 12,252,995 \$ 1,891,563 740,31% 165 Asset Based Sales \$ 117,992 \$ 1,227,569 \$ 1,08,516 940,33% 166 Fuel Costs \$ 117,992 \$ 1,227,569 \$ 1,109,516 940,33% 167 Asset Based Margins \$ 26,349 \$ (1,604) \$ (27,953) -106.09% 168 \$ 203,449 \$ (1,604) \$ (27,953) -106.09% 109,516 940,33% 168 \$ 203,449 \$ (1,604) \$ (27,953) -106.09% 109,516 940,33% 168 \$ 203,449 \$ (1,604) \$ (27,953) -106.09% 109,516 940,33% 170 \$ 203,449 \$ (1,604) \$ (27,953)				F							MISO and SPR Energy Only
161 Total Purchases \$ 5,011,252 \$ 8,482,159 \$ 3,470,908 69.26% Tribal (WAPA) excluded from Total 162 163 Wind Curtailment \$ 13,608 \$ 216,985 \$ 203,377 1494.53% 164 165 Asset Based Sales \$ 144,342 \$ 1,225,905 \$ 1,081,563 749.31% Credit to MN FCA Calculation - Subtracted from Total 166 Fuel Costs \$ 117.932 \$ 1,225,905 \$ 1,081,566 940.33% 166 Fuel Costs \$ 117.932 \$ 1,225,905 \$ 1,004,166 940.33% 167 Asset Based Margins \$ 24,942 \$ (1,604) \$ (27,953) -106.09% 168 - 64 - - 0 Effective July 2022 - Docket No. E017/GR-20-719 170 Steam/Water Sales \$ - \$ - \$ 0 Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales \$ - \$ - \$ 0 Effective July 2022 - Docket No. E017/GR-20-719 172 - - - - 0 Effective July 2022 - Docket No. E017/GR-20-719 172 - - \$ - \$ 0 <		∤ −−− 	INGINEL FUIGIASES	—		—		+	PROTECT		
162 162 164 164 164 164 164 163 Wind Curtailiment \$ 13,608 \$ 216,995 \$ 203,377 1494,53% 164 165 Asset Based Sales \$ 144,342 \$ 1,025,516 749,31% 166 Fuel Costs \$ 117,992 \$ 1,227,509 \$ 1,09,516 940,33% 167 Asset Based Margins \$ 26,349 \$ (1,604) \$ (27,853) -106,09% 168 Steam Plant Reagents \$ 2 \$ 2 \$ 2 0 169 Istant Plant Reagents \$ 2 \$ 2 \$ 2 0 170 167 5 0 Effective July 2022 - Docket No. E017/GR-20-719 171 172 172 0 Effective July 2022 - Docket No. E017/GR-20-719 172 173 174 1653,377 \$ (563,377) 0		┝───┤	Total Providence	-	E 014 250	-	0 400 450	-			Tribal (MADA) evaluated from Total
163 \$ 13,608 \$ 216,985 \$ 203,377 1494.53% 164		+	I otal Purchases	>	5,011,252	12	0,482,159	12	3,470,908	69.26%	Tibal (WAPA) excluded from Total
164 164 1225.005 1.025.056 749.31% Credit to MN FCA Calculation - Subtracted from Total 165 Asset Based Margins \$ 144.342 \$ 1.225.005 \$ 1.081.563 749.31% Credit to MN FCA Calculation - Subtracted from Total 166 Fuel Costs \$ 117.992 \$ 1.227.950 \$ 1.081.563 749.31% Credit to MN FCA Calculation - Subtracted from Total 167 Asset Based Margins \$ 26,349 \$ (1,604) \$ (27,953) -106.09% 168 168 5 26,349 \$ (1,604) \$ (27,953) -106.09% 168 169 5 26,349 \$ (1,604) \$ (27,953) -106.09% 168 169 5 26,349 \$ (1,604) \$ (27,953) -106.09% 168 169 5 26,349 \$ (1,604) \$ (27,953) -106.09% 170 169 169 5 (1,610,410,410,410,410,410,410,410,410,410,4		Wind Com	tailmant	-	12 600	-	246.005	1	202 277	1404 500/	
165 Asset Based Sales \$ 144,342 \$ 1,227,309 \$ 14,3142 Credit to MN FCA Calculation - Subtracted from Total 166 Fuel Costs \$ 117,92 \$ 1,227,509 \$ 1,09,516 940,33% 167 Asset Based Margins \$ 26,349 \$ (1,604) \$ (27,953) - 06,09% 168		wina curi	tanment	\$	13,608	12	216,985	1 >	203,377	1494.53%	
166 Fuel Costs \$ 117.992 \$ 1.227.509 \$ 1.109.516 940.33% 167 Asset Based Margins \$ 26.349 \$ (1.604) \$ (27.953) -106.09% 168 \$ 6.349 \$ (1.604) \$ (27.953) -106.09% 169 Steam Plant Reagents \$ • \$ • \$ • 0 Effective July 2022 - Docket No. E017/GR-20-719 170 \$ • \$ • \$ • • 0 Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales \$ • \$ • \$ • 0 Effective July 2022 - Docket No. E017/GR-20-719 172 • \$ • \$ • \$ • 0 Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues \$ • \$ \$ • \$ • 0 Effective July 2022 - Docket No. E017/GR-20-719 174 • • \$ • \$ • \$ • 0 Effective July 2022 - Docket No. E017/GR-20-719 • • • • • • • • • • • • • • • • • • •		<u> </u>	101	<u> </u>		Ļ_		┢			
167 Asset Based Margins \$ 26,349 \$ (1,604) \$ (27,953) -106.09% 168 • • • • 169 Steam Plant Reagents \$ • \$ • • • 170 • • • • • 171 Steam/Water Sales \$ • \$ • • • 172 • • • • • 173 Planning Resource Auction Revenues \$ • \$ (563,377) • Effective July 2022 - Docket No. E017/GR-20-719 174 • • • • • •											
168 100 100 100 100 199 Steam Plant Reagents \$ \$ \$ 0 171 Steam Water Sales \$ \$ \$ 0 172 172 173 Planning Resource Auction Revenues \$ \$ 174 \$ \$ \$ \$ 0 Effective July 2022 - Docket No. E017/GR-20-719											4
169 Steam Plant Reagents \$ \$ \$ 0 Effective July 2022 - Docket No. E017/GR-20-719 170 Image: Constraint of the state of th		┢───┥	Asset Based Margins	\$	26,349	\$	(1,604)	\$	(27,953)	-106.09%	
170 171 Steam/Water Sales \$ \$ \$ 0 Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Resource Auction Revenues \$ \$ \$ 0 Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues \$ \$ \$ 0 Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues \$ \$ \$ \$ 0				L							
171 Steam/Water Sales \$ - \$ - \$ 0 Effective July 2022 - Docket No. E017/GR-20-719 172 173 Planning Resource Auction Revenues \$ - \$ (563,377) 0 Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues \$ - \$ (563,377) 0 Effective July 2022 - Docket No. E017/GR-20-719		Steam Pla	ant Reagents	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
172 173 Planning Resource Auction Revenues \$ - \$ (563,377) 6 Effective June 2022 174 - - - - -											
173 Planning Resource Auction Revenues \$ (563,377) 0 Effective June 2022 174		Steam/Wa	ater Sales	\$	-	\$	-	\$	-	0	Effective July 2022 - Docket No. E017/GR-20-719
	172			Г <u> </u>							
	173	Planning	Resource Auction Revenues	\$		\$	(563,377)	\$	(563,377)	0	Effective June 2022
175 Total System - Plant Level \$ 7,117,994 \$ 14,931,101 \$ 7,813,107 Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total				<u> </u>		<u> </u>		<u> </u>			
						4					
	174	Total Svst	tem - Plant Level	\$	7,117,994	\$	14,931,101	\$	7,813,107	109.77%	Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total

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

Att2 Rate CalculationMN OTP Initial Filing 2021-05-03

\$7,117,993.97

			June 2022 F	orecast to Actual	- MW	/h
			June 2022	June 2022		
Line	Diant Car	availan	Forecast [PROTECTED DAT	Actual		Notes
Line 1	Plant Ger	Big Stone	[PROTECTED DATA	A BEGINS		
2		Coyote				
3 4		Hoot Lake #2 Hoot Lake #3				Hoot Lake plant closed in May 2021
5				TECTED DATA E		
6 7		Total Coal	72,624 [PROTECTED DAT			
8		Langdon Wind	INGILOILD DAI	A DEGINO		
9 10		Ashtabula Wind Luverne Wind				
11		Merricourt				
12				TECTED DATA E	NDS]	
13 14		Total Wind	80,927	73,682		
15		Total Hydro	1,644	1,654		
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 2				
19 20		Lake Preston		TECTED DATA E		
20		Total Oil - Peaking Units	•	231	NDS	
22			[PROTECTED DAT	A BEGINS		
23 24		Natural gas - Solway Natural gas - Astoria				
25				TECTED DATA E	NDS]	
26 27		Total Natural Gas	7,844 [PROTECTED DAT	23,548		
28		Solar - Blue Jay		. BEOMON		
29 30		Solar - Blue Heron	BRO	TECTED DATA E	ופחא]
31		Total Solar	PRO	RECIED DATA E		
32 33		Total OTP-Owned	163,038	268,003	<u> </u>	
34			103,038	208,003	L	
35		e Market Charges				
36 37		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	-	
38	555.04	DA FBT Loss Amount	N/A	N/A		
39 40		DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A	<u> </u>]
41	555.24	RT Distribution of Losses Amount	N/A	N/A		
42	555.21	RT FBT Loss Amount	N/A	N/A		
43 44		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A	L	<u> </u>
45	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
46 47	555.08 555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53		DA FBT Congestion Amount DA Congestion	N/A N/A	N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A N/A		
55 56		RT Congestion	N/A	N/A		
55	555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
		FTR Yearly Allocation Amount	N/A	N/A		
59 60		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
61	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
67	555.07 555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amoun RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
72 73		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A	<u> </u>	<u> </u>
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
75	555.31	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
		DA Ramp Product	N/A N/A	N/A N/A	L	<u> </u>
78	555.64	RT Ramp Product	N/A	N/A		
	555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
81	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
	555.05 555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A	<u> </u>	
84	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A		
86 87			IN/A	IN/A		
88		Total MISO Wholesale Market Charges		-		
89 90		SPP Wholesale Market Charges				
91	555.19	DA Asset Energy Amount***	N/A	N/A		
92 93	555.03 555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		<u> </u>
94	555	RT Non-Asset Energy Amount	N/A	N/A		
95 96		DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98	555.15	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A	<u> </u>	
		DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
101	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
		DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A	-	
104	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
		RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A	<u> </u>	
107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
109 110	555.17 555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A	-	
111	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
		Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	N/A N/A	-	
114	555.28	RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29	RT Schedule 1A3 Amount	N/A	N/A		1

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 34 of 78

117 5 118 5 119 5 120 5	55.31 55.32	RT Schedule 1A4 Amount DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount	N/A N/A	N/A N/A		New charge type in 2022
118 5 119 5 120 5	555.32					New charge type in 2022
119 5 120 5						
120 5			N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121 5		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123 5	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124 5	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	-	
133		Day Ahead Spinning Reserve Amount	N/A	N/A	-	
135		Real Time Spinning Reserve Amount	N/A	N/A	-	
135		Spinning Reserve Cost Distribution Amount	N/A	N/A	-	
136			N/A N/A	N/A N/A		
		Day Ahead Supplemental Reserve Amount	N/A N/A	N/A		
138		Real Time Supplemental Reserve Amount				
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amoun	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
	Purchase	d Power				
150			[PROTECTED DAT	A BEGINS		
151		Edgeley PPA				
152		Langdon PPA				
153		Ashtabula III PPA				
154		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance				
156		Shared Loads				
157		Small Co-gen				
158		Bilateral purchases				
159		Market Purchases	· · · ·			MISO and SPP Energy Only
160			PRO	TECTED DATA E	NDS1	
161		Total Purchases	224.390	220.697		Tribal (WAPA) excluded from Total
162		Total Fulcilases	224,390	220,097		
	Vind Curt	tailment	412	6,357	-	
163 V		lainnent	412	0,357		
	Accest D	sed Sales	4.063	23.571		Credit to MN ECA Coloulation Subtracted from Total
TOD A	ASSET Bas	seu oales	4,063	23,571		Credit to MN FCA Calculation - Subtracted from Total
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
166		Fuel Costs			L	Based Sales
						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
167		Asset Based Margins				Based Sales
168						
	Steam Pla	ant Reagents		-		Effective July 2022 - Docket No. E017/GR-20-719
170						
171 S	Steam/Wa	ater Sales	-	-		Effective July 2022 - Docket No. E017/GR-20-719
1/1 3	1					
171					-	
172	lanning	Resource Auction Revenues	-	-		Effective June 2022
172	lanning	Resource Auction Revenues	-	-		Effective June 2022
172 173 P 174		Resource Auction Revenues tem - Plant Level	- 383.778	- 471.484		Effective June 2022 Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total



1			June 2022 For	ecast to Actual -	\$ per MWh	I
			June 2022 Forecast	June 2022 Actual		Notes
	Plant Ger		[PROTECTED DAT	A BEGINS		10162
2		Big Stone Coyote	-	-		
3		Hoot Lake #2	-	-		Hoot Lake plant closed in May 2021
4		Hoot Lake #3		PROTECTED DAT	A ENDS	
6 7		Total Coal	\$ 29.19 [PROTECTED DAT.			
8		Langdon Wind	-	-		
9 10		Ashtabula Wind Luverne Wind	-	-		
11		Merricourt	-	-		
12 13		Total Wind	\$ -	PROTECTED DAT \$ -	A ENDS]	
14		Total Hydro	\$ -			
15 16			PROTECTED DAT	\$ - A BEGINS		
17 18		Jamestown 1 Jamestown 2	-	-		
19		Lake Preston	-	-		
20 21		Total Oil - Peaking Units	\$-	PROTECTED DAT \$-	A ENDS	
22 23		Natural gas - Solway	[PROTECTED DAT.	A BEGINS		
24		Natural gas - Astoria	-			
25 26		Total Natural Gas	\$ 27.64	PROTECTED DA1 \$ 109.83	TA ENDS]	
27			PROTECTED DAT			
28 29		Solar - Blue Jay Solar - Blue Heron				
30 31		Total Solar		PROTECTED DAT \$ -	A ENDS]	
32						
33 34		Total OTP-Owned	\$ 56.83	\$ 143.67		
35		e Market Charges MISO Wholesale Market Charges				
36 37	555.02	DA Asset Energy Amount***	N/A	N/A		
38 39	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
40	555.19	RT Asset Energy Amount***	N/A	N/A		
41 42	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
43 44		DA Loss Amount	N/A N/A	N/A N/A		
45	555.26	RT Loss Amount RT Non-Asset Energy Amount***	N/A	N/A		
	555.08	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51 52	555.13 555.03	FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
53		DA Congestion	N/A	N/A		
54 55	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
56	555.14	FTR Hourly Allocation Amount	N/A	N/A		
57 58	555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
59 60	555.35 555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
61	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
66	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
67 68	555.1 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.3 555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
72 73	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
75 76		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
	555.63	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
79	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
81	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
82	555.05	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
84	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A N/A	N/A N/A		
87						
88 89		Total MISO Wholesale Market Charges				
90 91	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
92	555.03	DA Non-asset Energy Amount	N/A	N/A		
	555.09 555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A N/A	N/A N/A		
95	555.02	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98 99	555.15 555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
	555.08 555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
105	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
107		RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
108	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
111 112	555.21 555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
114 115	555.28 555.29	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 36 of 78

440	FFF 00	DT Osh shile 444 Assessed	N1/A	NI/A		
		RT Schedule 1A4 Amount	N/A N/A	N/A		New shares has be 0000
		DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount		N/A		New charge type in 2022
			N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
22	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
24	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
27		MISO ASM			1	
28		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
30		Regulation Cost Distribution Amount	N/A	N/A		
31		Day Ahead Short-Term Reserve Amount	N/A	N/A		
32		Real Time Short-Term Reserve Amount	N/A	N/A		
33		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
34		Day Ahead Spinning Reserve Amount	N/A	N/A		
35		Real Time Spinning Reserve Amount	N/A	N/A		
36		Spinning Reserve Cost Distribution Amount	N/A	N/A		
37		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	1	
40		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
40		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
42		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
43		Net Regulation Adjustment Amount	N/A	N/A		
			N/A	N/A		
44		Total MISO ASM				
145						
		Total Wholesale Market Charges				
146 147		Total wholesale market charges				
147 148		······································				
147 148	Purchase	······································				
147 148	Purchase	······································	[PROTECTED DAT	A BEGINS		
147 148 149	Purchase	······································	[PROTECTED DAT	A BEGINS		
147 148 149 150	Purchase	d Power	[PROTECTED DAT.	A BEGINS		
147 148 149 150 151 152	Purchase	d Power Edgeley PPA Langdon PPA	[PROTECTED DAT. - -	A BEGINS		
147 148 149 150 151 152 153	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DAT, - - -	A BEGINS		Not Applicable to FAR - Excluded from Total
147 148 149 150 151 152 153 154	Purchase	d Power Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	[PROTECTED DAT. - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT. - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DAT, - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156 157	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads	[PROTECTED DAT. - - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
47 48 49 50 51 52 53 54 55 55 56 57 58	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	[PROTECTED DAT, - - - - - - -	A BEGINS		
147 148 149 150 151 152 153 154 155 156 157 158 159	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads	-			Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	- - - - - - - - -	PROTECTED DAT	[A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	-		TA ENDS]	
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 22.33	PROTECTED DAT \$ 38.43	TA ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	- - - - - - - - -	PROTECTED DAT \$ 38.43	TA ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 22.33	PROTECTED DAT \$ 38.43	TA ENDS]	MISO and SPP Energy Only
47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases	\$ 22.33	PROTECTED DAT \$ 38.43	[A ENDS]	MISO and SPP Energy Only
47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 22.33 \$ 33.02	PROTECTED DA1 \$ 38.43 \$ 34.14	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
47 48 49 50 51 52 53 54 55 56 57 55 56 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Total Purchases taliment sed Sales	\$ 22.33 \$ 33.02 \$ 35.53	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01	TA ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
47 48 49 50 51 52 53 54 55 56 57 55 56 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases	\$ 22.33 \$ 33.02	PROTECTED DA1 \$ 38.43 \$ 34.14	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 56 57 58 59 60 61 62 63 64 65 66 66	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 22.33 \$ 33.02 \$ 35.53 N/A	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01 N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
47 48 49 50 51 52 53 55 55 55 55 55 55 56 57 58 59 60 61 62 63 64 65 66 66 67	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Bilateral purchases Market Purchases Total Purchases taliment sed Sales	\$ 22.33 \$ 33.02 \$ 35.53	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 55 55 55 60 61 62 63 64 65 66 66 67 68	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases tailment tailment tailment Ed Sales Fuel Costs Asset Based Margins	\$ 22.33 \$ 33.02 \$ 35.53 N/A N/A	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 55 55 55 60 61 62 63 64 65 66 66 67 68 69	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 22.33 \$ 33.02 \$ 35.53 N/A	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
47 448 49 50 55 55 55 55 55 55 55 55 55 55 55 55	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tallment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.33 \$ 33.02 \$ 35.53 N/A N/A	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01 N/A N/A N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 66 66 67 68 69 70	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases tailment tailment tailment Ed Sales Fuel Costs Asset Based Margins	\$ 22.33 \$ 33.02 \$ 35.53 N/A N/A	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 50 51 52 53 55 55 55 55 55 55 55 60 60 61 62 63 64 65 66 66 67 67 70 77	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tallment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.33 \$ 33.02 \$ 35.53 N/A N/A	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01 N/A N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 550 551 552 553 555 556 557 558 60 61 662 663 664 665 666 665 667 668 669 6770 770	Wind Cur Asset Ba Steam Pl Steam/W	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Tailment Seed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 22.33 \$ 33.02 \$ 35.53 N/A N/A N/A	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 550 551 552 553 555 556 557 558 60 61 662 663 664 665 666 665 667 668 669 6770 770	Wind Cur Asset Ba Steam Pl Steam/W	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tallment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.33 \$ 33.02 \$ 35.53 N/A N/A	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 50 55 55 55 55 55 55 55 55 55 55 60 61 62 63 64 65 66 66 66 66 66 67 70 77 77 77	Wind Cur Asset Ba Steam Pl Steam/W Planning	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases Total Purchases Total Purchases Total Purchases Tailment Seed Sales Fuel Costs Asset Based Margins ant Reagents ter Sales	\$ 22.33 \$ 33.02 \$ 35.53 N/A N/A N/A	PROTECTED DA1 \$ 38.43 \$ 34.14 \$ 52.01 N/A N/A N/A N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 37 of 78

				022 Forecast to A	ctual - Expense	(Revenue)	
	Dian		July 2022 Forecast	July 2022 Actual			Notes
1	Plant Ge	Big Stone	PROTECTED DATA	BEGINS			
2		Coyote Hoot Lake #2	-				Hoot Lake plant closed in May 2021
4		Hoot Lake #3			PROTECT	ED DATA ENDS	
6		Total Coal	\$ 3,627,645		\$ 2,148,707		
7		Langdon Wind	PROTECTED DATA	BEGINS			
9 10		Ashtabula Wind	-				
11 12	-	Merricourt	-		PROTECT	ED DATA ENDS	
13		Total Wind	\$-	\$-	\$ -	0	
15		Total Hydro		\$-	\$-	0	
16 17		Jamestown 1	[PROTECTED DATA	BEGINS			
18 19	-	Jamestown 2 Lake Preston					
20		Total Oil - Peaking Units	\$	\$ 46,545		ED DATA ENDS]	
22			PROTECTED DATA	BEGINS	φ 40,040		
24		Natural gas - Solway Natural gas - Astoria	-			ı %	
25 26		Total Natural Gas	\$ 942,155	\$ 3,019,837	PROTECT \$ 2,077,682	ED DATA ENDS] 220.52%	
27 28		Solar - Blue Jay	PROTECTED DATA	BEGINS			
29 30		Solar - Blue Heron			PROTECT	ED DATA ENDS	
31		Total Solar	\$-	ş -	\$ -	0	
32	1	Total OTP-Owned	\$ 4,569,800	\$ 8,842,734	\$ 4,272,934	93.50%	
34 35	Wholesa	le Market Charges					
36 37	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	\$ -	\$-	s -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04 555.09	DA FBT Loss Amount DA Non-asset Energy Amount***		\$ -		0	
40	555.19	RT Asset Energy Amount***	\$ -	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
41 42	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	\$-		\$ (411,809) \$ -	349.74% 0	
43 44		DA Loss Amount RT Loss Amount		\$ 1,455,347 \$ (84,945)		354.24% -686.24%	
45 46	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA		\$- \$-	s - s -	0	Energy Amounts - included/embedded within Market Purchases
47	555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount	\$ -	\$ -	\$ - \$ -	0	
49	555.01	DA Mkt Admin Amount	\$ 57,433	\$ 59,635	\$ 2,202	3.83%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51	555.18 555.13	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 7,981 \$ 2,921	\$ 2,561	\$ (360)	14.72% -12.34%	
52 53	555.03	DA FBT Congestion Amount DA Congestion		\$ - \$ 1,999,677	\$ - \$ 1,818,414	0 1003.19%	
54 55	555.20	RT FBT Congestion Amount RT Congestion	\$-	\$ - \$ (181,714)	\$ - \$ (200.923)	-1045.97%	
56	555.14	FTR Hourly Allocation Amount	\$ (320,914)	\$ (2,317,426)	\$ (1,996,511)	622.13%	
57 58	555.15 555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount		\$ (2,941) \$ -	s -	-83.75% 0	
59 60	555.35 555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	\$ (13,363) \$ (38,473)	\$- \$84		-100.00% -100.22%	
61 62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ 35,888 \$ (258,085)	\$ (84) \$ (6,563,684)		-100.23% 2443.23%	
63 64	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 257,988		\$ 6,302,650	2443.00% 372.79%	
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ (35,020)	\$ (125,260)	\$ (90,240)	257.68%	
66 67	555.07 555.10	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount		\$ - \$ 15,022		0 128.76%	
68 69	555.11 555.29		\$ (3,792) \$ 19,075	\$ (1,918) \$ 61,267		-49.42% 221.20%	
70	555.30 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (7,792) \$ (15,936)	\$ - \$ (131,812)	\$ 7,792 \$ (115,876)	-100.00% 727.13%	
72	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 47,497 \$ 12,002	\$ 90,920	\$ 43,423 \$ (12,002)	91.42% -100.00%	
74	555.27	RT Net Inadvertent Amount	\$ 845	\$ 8,549	\$ 7,704	911.40%	
75 76	555.31 555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$- \$9,256		\$ - \$ 33,743	0 364.55%	
77 78	555.63 555.64	DA Ramp Product RT Ramp Product	\$ (3,878) \$ (100)	\$ (3,170) \$ (1,948)	\$ 708 \$ (1,848)	-18.26% 1847.25%	
79 80	555.65 555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ 10,804	\$ 16,614 \$ -		53.78%	
81 82	555.56 555.05	TASM Non Lacessive Lineary Amount*** DA Congestion Rebate on COGA	\$ -	\$ -	s - s -	0	
83	555.06	DA Losses Rebate on COGA	\$-	\$ -	ş -	0	
84 85	555.22 555.23	RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$-	\$ -	s - s -	0	
86 87		Net Congestion and Losses Adjustment & No DA Generation Schedu		\$ (7,853)	\$ (7,853)	0	
88 89		Total MISO Wholesale Market Charges	\$ 104,014	\$ 308,003	\$ 203,990	196.12%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90	555 10	SPP Wholesale Market Charges	¢	s -	s -		Energy Amounts - included/amboddod within Market Durahassa
91 92	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	\$-	\$ -	ş -	0	
93 94	555.09 555.00	RT Asset Energy Amount*** RT Non-Asset Energy Amount	\$-	\$ -	\$ - \$ -	0	
95 96	555.02 555.10		\$ - \$ 235		\$ - \$ (235)	-100.00%	
97 98	555.18 555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount		\$ -	\$ - \$ (22)	-100.00%	
99	555.04	DA Regulation-Down Distribution Amount	\$ 15	\$ -	\$ (15)	-100.00%	
100	555.05 555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$ 27 \$ 29	\$-	\$ (27) \$ (29)	-100.00%	
102 103	555.07 555.08	DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	\$ 4 \$ (0)	\$ -	\$ (4) \$ 0	-100.00% -100.00%	
104 105	555.11 555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (7,568) \$ (0)	\$ (27,130)		258.49% -100.00%	
106	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
107	555.14 555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	\$ (1) \$ (0)	\$ -	\$ 1 \$ 0	-100.00%	
109 110	555.17 555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (66,037)	\$ (241,943)		-100.00% 266.38%	
111 112	555.21 555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (17,202) \$ (5)	\$ (70,162) \$ -	\$ (52,960) \$ 5	307.86%	
113 114	555.26 555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ - \$ (0)	\$ -	\$ -	-100.00%	
114		RT Schedule 1A3 Amount	\$ 3		\$ (3)		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 38 of 78

		RT Schedule 1A4 Amount	\$	18		-	\$	(18)	-100.00%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
121		RT Ramp Down Distribution Amount	\$		\$	-	Š			New charge type in 2022
122			\$	14	ŝ		Š	(14)		Now onargo type in Lock
122		DA GFA Carve Out Distribution Deployment Daily Anount	\$	- 14	\$		ŝ	(14)	-100.00 %	
123		DA GFA Carve Out Distribution Deployment Yearly Amount				(4)		(4)	Ŷ	
	555.27		\$		\$					
125		Total SPP Wholesale Market Charges	ş	(123,325)	\$	(339,239)	\$	(215,914)	175.08%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(76,547)		(36,209)		40,339	-52.70%	
129		Real Time Regulation Amount	\$	24,984	\$	(15,841)		(40,825)	-163.40%	
130		Regulation Cost Distribution Amount	\$	11,980	\$	16,487	\$	4,507	37.62%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(14,146)	\$	(14,146)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(682)	\$	(682)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	5,439		5,439	0	
134	1	Day Ahead Spinning Reserve Amount	\$	(32.058)	\$	(32,316)		(258)	0.81%	
135		Real Time Spinning Reserve Amount	ş	4.324	\$	(13,655)		(17,979)	-415.77%	
135		Spinning Reserve Cost Distribution Amount	ş	11.405	\$	7.661		(3,743)	-32.82%	
137		Day Ahead Supplemental Reserve Amount	\$	(10,290)	\$	(73,670)		(63,380)	615.96%	
138		Real Time Supplemental Reserve Amount	\$	3,635	\$	(12,691)		(16,326)	-449.09%	
139		Supplemental Reserve Cost Distribution Amount	\$	3,121	\$	13,051		9,930	318.23%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	Ş	2,572	\$	2,649	\$	77	2.99%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	18,701	\$	17,024	1015.54%	
144		Total MISO ASM	\$	(55,198)	Ŝ	(135,221)	Ś	(80.023)	144.98%	
145				10011007		1	Ť	10010-07		
146		Total Wholesale Market Charges	s	(41,630)	\$	(166,457)	\$	(124,827)	299.85%	
147		Total Microbale Market enalgee	Ÿ	(41,000)	Ť	(100,101)	Ť	(124,021)	200.0070	
148					-		-			
	Purchase	d Dewer			-		-			
149	Furchase		IDDOT	ECTED DAT			-			
			IPROI	ECTED DAT	AB	EGINS	ļ			
151		Edgeley PPA	ł							
152		Langdon PPA	L							
153		Ashtabula III PPA								
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads	T							
157		Small Co-gen	ĩ							
158		Bilateral purchases	t							
159		Market Purchases	t							MISO and SPP Energy Only
160					1		-	PROTECT	ED DATA ENDSI	inter and a standy only
161		Total Purchases	s	4.015.230	\$	5.073.340	¢	1.058.110		Tribal (WAPA) excluded from Total
		Total Purchases	Ŷ	4,013,230	, °	3,073,340	P.	1,030,110	20.35%	
162	Wind C.	talmant		22.244	\$	102 240		474 075	760 400/	
	Wind Cur	tanment	\$	22,244	•	193,319	\$	171,075	769.10%	
164										
	Asset Bas		\$	679,338		1,822,740		1,143,402		Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	\$	435,483		1,217,323		781,840	179.53%	
167		Asset Based Margins	Ş	243,856	\$	605,417	\$	361,562	148.27%	
168				-						
100	Steam Pla	ant Reagents	\$	-	\$	329,838	\$	329,838	0	Effective July 2022 - Docket No. E017/GR-20-719
169			· ·		Ť	,-00	Ľ		, in the second s	
169	otcamina									
170		ater Sales	s		ŝ	(144 470)	\$	(144 470)	0	Effective July 2022 - Docket No. E017/GR-20-719
170 171	Steam/Wa	ater Sales	\$	-	\$	(144,470)	\$	(144,470)	0	Effective July 2022 - Docket No. E017/GR-20-719
170 171 172	Steam/Wa		Ť							
170 171 172 173	Steam/Wa	ater Sales Resource Auction Revenues	\$ \$	-	\$ \$	(144,470) (741,966)		(144,470) (741,966)		Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022
170 171 172 173 174	Steam/Wa Planning		Ť	-	\$		\$		0	

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

Att2 Rate CalculationMN OTP Initial Filing 2021-05-03

\$7,886,305.29

1			July 2022 F	orecast to Actual	- MW	h
			July 2022	July 2022		
Line	Plant Ger	eration	Forecast [PROTECTED DATA	Actual A BEGINS		Notes
1		Big Stone				
2		Coyote Hoot Lake #2		-		Hoot Lake plant closed in May 2021
4		Hoot Lake #3		TEATER DATA E		
5 6		Total Coal	PRO 155,346	TECTED DATA E 223,436		
7		Langdon Wind	[PROTECTED DAT	A BEGINS		
9		Ashtabula Wind				
10 11		Luverne Wind Merricourt				
12				TECTED DATA E	NDS]	
13 14		Total Wind	70,015	68,478		
15		Total Hydro	1,699	1,688		
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 2				
19 20		Lake Preston	PRO	TECTED DATA E	NDS]	
21 22		Total Oil - Peaking Units	- [PROTECTED DAT	92		
23		Natural gas - Solway		A BEGING		
24 25		Natural gas - Astoria	PRO	TECTED DATA E	NDS1	
26		Total Natural Gas	42,477	39,339		
27 28		Solar - Blue Jay	[PROTECTED DAT	A BEGINS		
29		Solar - Blue Heron				
30 31		Total Solar	PRO	TECTED DATA E 11	NDS]	
32			260 527			
33 34		Total OTP-Owned	269,537	333,045		
35 36		e Market Charges MISO Wholesale Market Charges				
37	555.02	DA Asset Energy Amount***	N/A	N/A		
38 39	555.04 555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A	<u> </u>	<u> </u>
40	555.19	RT Asset Energy Amount***	N/A	N/A		
41 42		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
43		DA Loss Amount	N/A	N/A		
44 45	555.26	RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
46	555.08	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
47 48		RT Virtual Energy Amount	N/A N/A	N/A N/A		
49 50	555.01	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53		DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55 56		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
57	555.15	FTR Monthly Allocation Amount	N/A	N/A		
		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
	555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
63 64	555.38	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66 67	555.07 555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amoun RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
72 73		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A	L	
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
76	555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
		DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A	<u> </u>	
79	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
	555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A	-	
82	555.05	DA Congestion Rebate on COGA	N/A	N/A		
84	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A	E	
85	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A	N/A		
86 87			N/A	N/A		
88 89		Total MISO Wholesale Market Charges		-		
90		SPP Wholesale Market Charges				
91 92	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A	<u> </u>	<u> </u>
93	555.09	RT Asset Energy Amount***	N/A	N/A		
94 95		RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A	<u> </u>	<u> </u>]
96	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98	555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A	L	
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
101	555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A	L	
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
104	555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A	E	
105	555.12	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
111 112	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A	<u> </u>	
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
114 115		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		<u> </u>
					•	·

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 40 of 78

		RT Schedule 1A4 Amount	N/A	N/A		
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
119		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125	000.27	Total SPP Wholesale Market Charges		1471		
126		Total of T Wholesale Market Onlarges			-	
120		MISO ASM				
127		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
134		Day Ahead Spinning Reserve Amount	N/A	N/A		
135		Real Time Spinning Reserve Amount	N/A	N/A		
136		Spinning Reserve Cost Distribution Amount	N/A	N/A		
137		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	1	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amoun	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A	-	
142		Net Regulation Adjustment Amount	N/A	N/A		
143		Total MISO ASM	19/74	19/75		
144		Total MISO ASM				
146		Total Wholesale Market Charges				
147						
148						
	Purchase	ed Power				
150			[PROTECTED DAT	A BEGINS		
151		Edgeley PPA				
152		Langdon PPA				
153		Ashtabula III PPA				
154		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance				
156		Shared Loads	_			
157		Small Co-gen				
158		Bilateral purchases				
159		Market Purchases				MISO and SPP Energy Only
160			PRO	TECTED DATA E	NDS1	
161		Total Purchases	154.106	132.882		Tribal (WAPA) excluded from Total
162		Total Fulcilases	134,100	132,002		
102					1	
	Wind Cur	tellment	674	E 044		
163	Wind Cur	rtailment	674	5,811		
163 164						One distant MNLEOA Onito dation - Onitone te diferenti Tatal
163 164		tailment sed Sales	674 18,852	5,811 28,498		Credit to MN FCA Calculation - Subtracted from Total
163 164 165		sed Sales				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163 164						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163 164 165 166		sed Sales Fuel Costs				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163 164 165		sed Sales				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163 164 165 166		sed Sales Fuel Costs				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163 164 165 166 167 168	Asset Ba	sed Sales Fuel Costs				Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
163 164 165 166 167 168	Asset Ba	see Sales Fuel Costs Asset Based Margins	18,852	28,498		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163 164 165 166 167 168 169 170	Asset Ba	see Sales Fuel Costs Asset Based Margins ant Reagents	18,852			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
163 164 165 166 167 168 169 170 171	Asset Ba	see Sales Fuel Costs Asset Based Margins	-	28,498		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
163 164 165 166 167 168 169 170 171 172	Asset Ba Steam Pl Steam/W	sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	-			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
163 164 165 166 167 168 169 170 171 172 173	Asset Ba Steam Pl Steam/W	see Sales Fuel Costs Asset Based Margins ant Reagents	-			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
163 164 165 166 167 168 169 170 171 172 173 174	Asset Ba Steam Pl Steam/W: Planning	sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	-			Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719



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

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 42 of 78

117 553.1 DA Ram Up Distribution Anount NA NA <t< th=""><th>116</th><th>555.00</th><th>DT Osh shuls 444 Assessed</th><th>NI/A</th><th>NI/A</th><th></th><th></th></t<>	116	555.00	DT Osh shuls 444 Assessed	NI/A	NI/A		
118 55.2 D.A Rang Doon DataBution Amount NA NA NA NA 126 55.3 RT Rang No Polemone Distriction Amount NA NA NA NA 126 55.3 RT Rang No Polemone Distriction Amount NA NA NA NA 126 55.4 RT Rang No Polemone Distriction Amount NA NA NA NA 126 55.6 D.A Careva OL Distriction Decionent Workly Amount NA NA NA 126 S5.6 D.A Careva OL Distriction Decionent Workly Amount NA NA NA 126 S5.6 D.A FLAG Careva OL Distriction Decionent Workly Amount NA NA NA 126 Distriction Regulation Amount NA NA NA 127 MiSO ASM Trats PP Molessik Market Charget Image Distriction Regulation Amount NA 128 Real Time Seguidation Amount NA NA Image Distriction Regulation Amount NA 138 Day Alwal Short-Fem Reserva Amount NA NA Image Distriction Regulation Amount 139 Day Alwal Short-Fem Reserva Amount NA NA Image Distriction Regulation Amount 139 Day Alwal Short-Fem Reserva Amount NA NA Image	447		RT Schedule 1A4 Amount	N/A	N/A		Neu charge time in 2022
1110 553. RT Rump Non-Performance Distribution Amount NA NA <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
120 55.3 RT Bang by Distribution Amount NA NA NA NA NA 120 55.5 Rt Rang by Distribution Amount NA NA NA NA 120 55.5 Rt Rang by Distribution Amount NA NA NA 120 55.5 Rt Rang by Distribution Amount NA NA NA 120 55.5 Rt Rang by Distribution Amount NA NA NA 120 Ford Status NA NA NA NA 120 Ord Abase Angulation Amount NA NA NA 120 Day Abase Angulation Amount NA NA NA 120 Day Abase Angulation Amount NA NA NA 120 Day Abase Soh Tem Reserve Amount NA NA NA 121 Day Abase Soh Tem Reserve Amount NA NA NA 120 Day Abase Soh Tem Reserve Amount NA NA NA 120 Day Abase Soh Tem Reserve Amount NA							
121 553 R Tamp Down Distribution Anount NA NA New charge type in 3022 123 553 R CA Caree AD Distribution Dedowment Balk Anount NA NA NA 123 553 R CA Caree AD Distribution Dedowment Balk Anount NA NA 123 552 D CA Caree AD Distribution Dedowment Balk Anount NA NA 123 D CA Caree AD Distribution Dedowment Balk Anount NA NA 124 Station Caree AD Distribution Anount NA NA 125 D Ar Anoa Rapatition Anount NA NA 126 Day Anoa Rapatition Anount NA NA 126 Day Anoa Rapatition Anount NA NA 127 Bask Anount NA NA 128 Read Trans Ban Tam Reserve Anount NA NA 129 Road Trans Ban Tam Reserve Anount NA NA 120 Road Time Schnic Tam Reserve Anount NA NA 121 Bay Anead Sapprenet Anount NA NA 123 Road Time Schnic Tam Reserve Anount NA NA 121 Bay Anead Sapprenet Anount NA NA 123 Road Time Schnic Tam Reserve Anount NA NA 124							
122 65.2 0.4 GPA Care Out Distribution Delogrammet Daily Annuart NA NA 123 65.2 0.4 GPA Care Out Distribution Delogrammet Yealy, Anount NA NA 124 65.2 0.4 GPA Care Out Distribution Delogrammet Yealy, Anount NA NA 124 GS 2 0.4 GPA Care Out Distribution Delogrammet Yealy, Anount NA NA 124 GS 2 0.4 GPA Care Out Distribution Delogrammet Yealy, Anount NA NA 124 GS 4 Anear Roguitation Anount NA NA 129 Miss O ASM NA NA 120 Day Anear Roguitation Anount NA NA 131 Day Anear Solutifier Measer's Annout NA NA 133 Short-Ferm Reserve Annout NA NA 133 Short-Ferm Reserve Annout NA NA 134 Day Anear Solutifier Meanont NA NA 135 Short-Ferm Reserve Annout NA NA 136							
32 05.27 0.67 A. Care A. OL Brathulon Deloyment Monthy Amount N/A N/A 35 0.67 C. Care A. OL Brathulon Deloyment Workhy Amount N/A N/A 36 0.67 C. Care A. OL Brathulon Deloyment Workhy Amount N/A N/A 37 M tSO ASM N/A N/A N/A 38 Day Ameal Regulation Amount N/A N/A N/A 39 Real Time Regulation Amount N/A N/A N/A 30 Real Time Regulation Amount N/A N/A N/A 31 Real Time Spontame Reserve Amount N/A N/A N/A 32 Real Time Spontame Reserve Amount N/A N/A N/A 33 Spontame Reserve Amount N/A N/A N/A 34 Day Amed Spinning Reserve Amount N/A N/A N/A 35 Read Time Spontame Reserve Amount N/A N/A N/A 36 Spring Reserve Amount N/A N/A N/A 37 Read Time Spring Reserve Amount N/A							New charge type in 2022
242 52.2 DA GPA Cance Out Distribution. Disjonment Yanty Arount NA NA 25 MED ASM Antal SPP Wholesale Market Charges Antal SPP Wholesale Market Charges 26 Day Aneal Regulation Amount NA NA 27 Day Aneal Regulation Amount NA NA 28 Regulation Cast Distribution Amount NA NA 29 Regulation Cast Distribution Amount NA NA 20 Regulation Cast Distribution Amount NA NA 31 Bay Aneal Soci-Term Reserve Amount NA NA 32 Real Time Spring Reserve Amount NA NA 33 Bay Time Spring Reserve Amount NA NA 34 Bay Aneal Societham Reserve Amount NA NA 35 Bay Time Spring Reserve Amount NA NA NA 36 Real Time Spring Reserve Amount NA NA NA 37 Day Anead Societhamer Reserve Amount NA NA NA 38 Real Time Societhamont Reserve Amount <		555.01	DA GFA Carve Out Distribution Deployment Daily Amount				
25 Image: state of the sta							
28 MSD ASM MSD ASM MA NA 29 Day Areas Regulation Amount NA NA NA 29 Day Areas Regulation Amount NA NA NA 20 Regulation Cost Distribution Amount NA NA NA 21 Both Term Reserve Amount NA NA NA 21 Both Term Reserve Amount NA NA NA 23 Real Tree Scott Term Reserve Amount NA NA NA 23 Both Term Reserve Amount NA NA NA 24 Distribution Amount NA NA NA 25 Distribution Amount NA NA NA 26 Distribution Amount NA NA NA 27 Distribution Amount NA NA NA 28 Stoppenetral Reserve Amount NA NA NA 20 Stoppenetral Reserve Amount NA NA NA 21 Distribution Amount	124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
NEO ASM Image: Constraint of the second	125		Total SPP Wholesale Market Charges				
123 Bay Anesd Regulation Amount NAA NAA 130 Regulation Cost Distriction Amount N/A N/A 131 Diy Anesd Short-Ferm Reserve Amount N/A N/A 132 Diy Anesd Short-Ferm Reserve Amount N/A N/A 133 Diy Anesd Short-Ferm Reserve Amount N/A N/A 134 Diy Anesd Spring Reserve Amount N/A N/A 135 Spring Reserve Amount N/A N/A 136 Spring Reserve Amount N/A N/A 137 Diy Anesd Spring Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 139 Real Time Supplemental Reserve Amount N/A N/A 140 Rot Time Supplement Balline Charge Amount N/A N/A 141 Real Time Supplement Failure Charge Amount N/A N/A 142 Short-Term Reserve Deployment Charge Amount N/A N/A 143 N/A Reserve Deployment Failure Charge Amount N/A N/A 144 Reserve Deployment Failure Charge Amount N/A N/A 143 N/A Reserve Amount N/A N/A 144 Reserve Amount N/A N/A 145	126						
232 Boy Ahead Regulation Amount NNA NA 233 Regulation Construction Amount NNA NA 234 Doy Ahead Short-Term Reserve Amount NNA NA 235 Doy Ahead Short-Term Reserve Amount NNA NA 236 Doy Ahead Short-Term Reserve Amount NNA NA 237 Doy Ahead Spring Reserve Cancer NNA NA 238 Doy Ahead Spring Reserve Cancer NNA NA 239 Doy Ahead Spring Reserve Cancer NNA NA 230 Doy Ahead Spring Reserve Cancer NNA NA 231 Doy Ahead Spring Reserve Cancer NNA NA 233 Real Time Spring Reserve Cancer NNA NA 233 Real Time Spring Reserve Cancer NNA NA 234 Doy Ahead Spring Reserve Cancer NNA NA 235 Real Time Spring Reserve Cancer NNA NA 241 Real Time Spring Reserve Cancer NNA NA 242 Stort-Term Reserve Anount NNA NA 243 Net Reputation Adjustment Amount NNA NA 244 Total MSO ABM NA NA 245 Stort-Term Reserve Anount NNA	127		MISO ASM			1	
29 Real Time Regulation Amount N/A N/A 31 Begulation Cost Distribution Amount N/A N/A 32 Real Time Sport-Ferm Reserve Amount N/A N/A 33 Short-Term Reserve Amount N/A N/A 34 Short-Term Reserve Amount N/A N/A 35 Short-Term Reserve Amount N/A N/A 34 Short-Term Reserve Amount N/A N/A 35 Short-Term Reserve Amount N/A N/A 36 Short-Term Reserve Amount N/A N/A 37 Day Ahead Supplemental Reserve Amount N/A N/A 38 Real Time Supplemental Reserve Amount N/A N/A 39 Supplemental Reserve Amount N/A N/A 40 Contingeory Reserve Deployment Failure Charge Amount N/A N/A 41 Heaplation Adjustment Amount N/A N/A 42 Englasion Adjustment Amount N/A N/A 43 Real Time Supplement Reserve Amount N/A N/A 44 Heaplation Adjustment Amount N/A N/A 45 Englasion Adjustment Amount N/A N/A 46 Total Wholesale Market Charge N/A				N/A	N/A		
33 Regulation Cost Distribution Amount NA NA 33 Box Hand Short Term Reserve Amount NA NA 33 Short Term Reserve Amount NA NA 33 Short Term Reserve Amount NA NA 34 Real Time Spipement Reserve Amount NA NA 35 Real Time Spipement Reserve Amount NA NA 36 Spinning Reserve Cost Distribution Amount NA NA 37 Day Ahad Supplemental Reserve Amount NA NA 38 Real Time Spipemental Reserve Amount NA NA 39 Real Time Spipemental Reserve Amount NA NA 30 Stopplemental Reserve Amount NA NA 31 Stopplemental Reserve Amount NA NA 32 Stopplement Reserve Amount NA NA 33 Stort Term Reserve Amount NA NA 34 Ne Regulation Adjustimet Amount NA NA 34 Vertal MiSO ASM NA NA							
313 Day, Ahaad Short-Term Reserve Amount N/A N/A 32 Real Time Short-Term Reserve Amount N/A N/A 33 Short-Term Reserve Amount N/A N/A 34 Day Ahead Sprining Reserve Amount N/A N/A 35 Real Time Sprining Reserve Amount N/A N/A 36 Day Ahead Sprining Reserve Amount N/A N/A 37 Borghematal Reserve Amount N/A N/A 38 Supplemental Reserve Amount N/A N/A 39 Supplemental Reserve Amount N/A N/A 40 Contingency Reserve Deployment Failure Charge Amount N/A N/A 41 Real Time Supplemental Reserve Amount N/A N/A 42 Short-Term Reserve Deployment Failure Charge Amount N/A N/A 43 He Reserve Deployment Failure Charge Amount N/A N/A 44 Real Time Supplement Amount N/A N/A 45 He Replation Amount N/A N/A 46 Total Wholesale Market Charge Image 47 Image Image Image 48 Image Image Image 49 Image Image Image <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
22 Reia Time Short-Term Reserve Amourt N/A N/A 34 Short-Term Reserve Amourt N/A N/A 34 Day Ahead Spinning Reserve Amourt N/A N/A 35 Real Time Spinning Reserve Amourt N/A N/A 36 Real Time Spinning Reserve Amourt N/A N/A 37 Day Ahead Spinning Reserve Amourt N/A N/A 38 Spinning Reserve Amourt N/A N/A 39 Day Ahead Spinning Reserve Amourt N/A N/A 30 Spinning Reserve Amourt N/A N/A 31 Spinning Reserve Amourt N/A N/A 32 Spinning Reserve Amourt N/A N/A 32 Spinning Reserve Amourt N/A N/A 33 Spinning Reserve Amourt N/A N/A 41 Real Time Spinning Reserve Cost Distribution Amount N/A N/A 42 Short-Term Reserve Degloment Failure Charge Amount N/A N/A 43 Net Regulation Adjustment Amount N/A N/A 44 Total Wholesale Market Charges Image: Cost Spinning Reserve Amount N/A 45 Image: Cost Spinning Reserve Amount N/A Image: Cost Spinning Reserve Amount <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
33 Short Term Reserve Cod Distribution Amount N/A N/A 34 Day Ahead Spinning Reserve Amount N/A N/A 35 Real Time Spinning Reserve Amount N/A N/A 36 Spinning Reserve Amount N/A N/A 37 Day Ahead Spinning Reserve Amount N/A N/A 38 Real Time Supplemental Reserve Amount N/A N/A 39 Real Time Supplemental Reserve Amount N/A N/A 30 Real Time Supplemental Reserve Amount N/A N/A 31 Continue Preserve Cost Distribution Amount N/A N/A 41 Regulation Adjustment Amount N/A N/A 42 Short Term Reserve Deployment Failure Charge Amount N/A N/A 43 Nrt Regulation Adjustment Amount N/A N/A 44 Total Wholesale Market Charges N/A 45 Total Wholesale Market Charges N/A 46 Total Wholesale Market Charges N/A							
34 Day Ahead Spinning Reserve Amount N/A N/A N/A 36 Real Time Spinning Reserve Amount N/A N/A N/A 36 Real Time Spinning Reserve Amount N/A N/A N/A 37 Day Ahead Supplemental Reserve Amount N/A N/A N/A 38 Real Time Screisby Cost Distribution Amount N/A N/A N/A 39 Supplemental Reserve Cost Distribution Amount N/A N/A N/A 40 Contingency Reserve Cost Distribution Amount N/A N/A N/A 41 Real Time Scressive Delocyment Failure Charge Amount N/A N/A N/A 42 Short-Term Reserve Delocyment Failure Charge Amount N/A N/A N/A 43 NR Regulation Adjustment Amount Total MISO ASM N/A N/A N/A 44 Protectresource Image Sampa Samp Samp							
33 Real Time Spylming Reserve Amount N/A N/A 34 Styning Reserve Amount N/A N/A 37 Day Ahad Supplemental Reserve Amount N/A N/A 38 Real Time Supplemental Reserve Amount N/A N/A 39 Real Time Supplemental Reserve Amount N/A N/A 30 Supplemental Reserve Amount N/A N/A 31 Supplemental Reserve Amount N/A N/A 31 Supplemental Reserve Amount N/A N/A 41 Real Time Supplemental Reserve Amount N/A N/A 42 Real Time Supplemental Reserve Amount N/A N/A 43 Real Time Supplemental Reserve Amount N/A N/A 44 Resultation Adjustment Amount N/A N/A 45							
38 Spinning Reserve Cost Distribution Amount N/A N/A 39 Day Ahadd Supplemental Reserve Amount N/A N/A 30 Real Time Supplemental Reserve Amount N/A N/A 31 Day Ahadd Supplemental Reserve Cost Distribution Amount N/A N/A 40 Contingency Reserve Cost Distribution Amount N/A N/A 41 Real Time Supplement Reserve Deployment Failure Charge Amount N/A N/A 42 Short-Term Reserve Deployment Failure Charge Amount N/A N/A 43 Nort Regulation Adjustment Amount Total MISO ASM N/A 44 Total MisO ASM N/A N/A 45 Total Wholesale Market Charge Image Image 46 Total Wholesale Market Charge Image Image 47 Edgeley PPA Image Image Image 50 Image Image Image Image 51 Edgeley PPA Image Image Image 52 Smaid Coage Image Image </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
97 Day Ahead Supplemental Reserve Amount NA NA 38 Real Time Supplemental Reserve Amount NA NA 39 Supplemental Reserve Cost Distribution Amount NA NA 30 Real Time Supplemental Reserve Cost Distribution Amount NA NA 41 Real Time Excessive Deloyment Charge Amount NA NA 42 Short-Term Reserve Deloyment Charge Amount NA NA 43 Net Regulation Adjustment Amount NA NA 44 Total Wholesale Market Charges 47 Total Wholesale Market Charges 47 48 49 40 41 52						I	
33 Real Time Supplemental Reserve Cost Distribution Amount N/A N/A 40 Contingeroy Reserve Decipionment Failure Charge Amount N/A N/A 41 Real Time Excessive Decipionment Failure Charge Amount N/A N/A 42 Short-Term Reserve Decipionment Failure Charge Amount N/A N/A 43 Net Regulation Adjustment Amount N/A N/A 44 Total MISO ASM N/A N/A 45 Total Miso ASM N/A 46 Total Miso ASM N/A 47 Parchased Power N/A 50 Image: Charge Amount N/A 51 Edgeley PPA N/A 52 Langdon PPA Not Applicable to EAR - Excluded from Total 53 Ashtabula II PPA Not Applicable to EAR - Excluded from Total 54 Tribal (WAPA) Not Applicable to EAR - Excluded from Total 55 MARA Energy Imbalance S S 66 Shared Loads S S 67 Shand Loads S S							
33 Supplemental Reserve Cost Distribution Arount N/A N/A 40 Contingency, Reserve Deployment Failure Charge Arount N/A N/A 41 Real Time Excessive Defloyment Charge Arount N/A N/A 42 Short-Term Reserve Deployment Charge Arount N/A N/A 43 Net Regulation Adjustment Amount N/A N/A 44 Total MISO ASM N/A 45 Image: Charge Arount N/A 46 Total MISO ASM N/A 47 Image: Charge Arount N/A 48 Image: Charge Arount N/A 49 Image: Charge Arount N/A 41 Image: Charge Arount N/A 42 Image: Charge Arount N/A 43 Image: Charge Arount N/A 44 Image: Charge Arount N/A 45 Image: Charge Arount Image: Charge Arount 46 Image: Charge Arount Image: Charge Arount 56 Shared Loads Image: Charout 57							
33 Supplemental Reserve Cost Distribution Arount N/A N/A 40 Contingency, Reserve Deployment Failure Charge Arount N/A N/A 41 Real Time Excessive Defloyment Charge Arount N/A N/A 42 Short-Term Reserve Deployment Charge Arount N/A N/A 43 Net Regulation Adjustment Amount N/A N/A 44 Total MISO ASM N/A 45 Image: Charge Arount N/A 46 Total MISO ASM N/A 47 Image: Charge Arount N/A 48 Image: Charge Arount N/A 49 Image: Charge Arount N/A 41 Image: Charge Arount N/A 42 Image: Charge Arount N/A 43 Image: Charge Arount N/A 44 Image: Charge Arount N/A 45 Image: Charge Arount Image: Charge Arount 46 Image: Charge Arount Image: Charge Arount 56 Shared Loads Image: Charout 57	138		Real Time Supplemental Reserve Amount	N/A	N/A		
40 Contingency Reserve Deployment Failure Charge Amount N/A N/A 41 Restrive Decomponent Failure Charge Amount N/A N/A 42 Short-Term Reserve Deployment Failure Charge Amount N/A N/A 43 Net Regulation Adjustment Amount N/A N/A 44 Regulation Adjustment Amount N/A N/A 44 Regulation Adjustment Amount N/A N/A 44 Total MISO ASM 45 Total Wholesale Market Charges 46 Total Wholesale Market Charges 47 Purchased Power 50 Isongon PPA 51 Edgeley PPA 52 Ashabula II PPA 53 Ashabula II PPA 54 Total WAPA Rescry Imbalance 55 MAPA Energy Imbalance				N/A	N/A		
Hat Real Time Excessive Deficient Energy Deployment Charge Amount N/A N/A 42 Short-Term Reserve Deployment Pallure Charge Amount N/A N/A 43 Net Regulation Adjustment Amount N/A N/A 44 Total MISO ASM N/A N/A 45 Total Wholesale Market Charges N/A N/A 46 Total Wholesale Market Charges N/A N/A 47 A N/A N/A N/A 48 Improvement Adjustment Amount N/A N/A N/A 49 Purchased Power PROTECTED DATA BEGINS Improvement Adjustment Adjustme				N/A	N/A	1	
142 Short-Term Reserve Deployment Failure Charge Amount NA NA NA 143 Net Regulation Adjustment Amount NA NA NA 144 Net Regulation Adjustment Amount Total MISO ASM NA NA 144 Total Wholesale Market Charges Image: Charge Amount NA NA 146 Total Wholesale Market Charges Image: Charge Amount Image: Charge Amount Image: Charge Amount 146 Total Wholesale Market Charges Image: Charge Amount Image: Charge Amount Image: Charge Amount 147 Total Wholesale Market Charges Image: Charge Amount Image: Charge Amount Image: Charge Amount 147 Edgety PPA Image: Charge Amount Image: Charge: Charge: Charge Amount Image: Charge Amount<				N/A	N/A		
Har Regulation Adjustment Amount N/A N/A Har Regulation Adjustment Amount N/A N/A Har Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Contal Wholesale Market Purchases Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Contal Wholesale Market Purchases Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Contal Wind Curtaliment Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Costs Image: Contal Wholesale Market Charges Image: Contal Wholesale Market Charges Har Costs <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Hat Total MISO ASM Image: Constraint of the second			Net Degulation Adjustment Amount				
45 10 10 46 Total Wholesale Market Charges 10 10 47 10 10 10 48 10 10 10 49 Purchased Power 10 10 50 10 10 10 51 Edgeley PPA 10 10 52 Langdon PPA 10 10 53 Asthabula III PPA 10 10 54 Trobal (WAPA) 10 10 55 WAPA Energy Inbalance 10 10 56 Shared Loads 10 10 57 Snall Co-gen 10 10 50 Market Purchases 10 10 50 Market Purchases 10 10 51 Edgeley PLA 10 10 53 Market Purchases 10 10 54 Trobal (WAPA) Market Purchases 10 55 Bilateral purchases 10 10 56 Bilateral purchases 10 10 57 Snared Loads 10 10 58 Bilateral purchases 10 10 50 Market Purchases				IN/A	IN/A		
Ide Total Wholesale Market Charges Ide Ide Ide Ide Ide Ide </td <td></td> <td></td> <td>Total MISU ASM</td> <td></td> <td></td> <td></td> <td></td>			Total MISU ASM				
147 Image: Constraint of the second							
148 Image: Process and the second s			Total Wholesale Market Charges				
149 Purchased Power IPROTECTED DATA BEGINS 150 Edgety PPA 151 Edgety PPA 152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 161 Total Purchases 162 PROTECTED DATA ENOS 163 Ashtabula III PPA 164 Total Purchases 170 Stared Loads 186 Bilateral purchases 187 Stared Loads 188 Total Purchases 180 Total Purchases 181 Total Purchases 182							
150 IPROTECTED DATA BEGINS IPROTECTED DATA BEGINS 151 Eduadev PPA 152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160 Image: Percent Purchases 161 Total WAPA Energy Only 162 Image: Percent Purchases 163 Wind Curtailment 164 Total Purchases 165 Seated Based Sales 166 Fuel Costs 167 Stateral purchases 168 Bilateral purchases 169 Image: Percent Purchases 161 Total Purchases 162 Image: Percent Purchases 163 Wind Curtailment 164 Image: Percent Purchases 165 Asset Based Sales 166 Fuel Costs 168 Fuel Costs 169 Image: Purchase 160 Image: Purchase 161 Total Purchases 162 Image: Purchase 163 Image: Purchases							
151 Edgeley PPA 152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Smail Co-gen 158 Bilateral purchases 150 Market Purchases 151 Total Purchases 152 Add Curtaliment 153 Saset Based Sales 154 Fuel Costs 155 N/A 156 N/A 157 Saset Based Margins 158 N/A 159 Market Purchases 150 Total Purchases 151 Saset Based Sales 153 Saset Based Margins 154 N/A 155 N/A 156 Saset Based Margins 157 Saset Based Margins 158 N/A 159 N/A 150 Fuel Cost NWh and Margin MWH are not separated - Need to compare total Ass 157 Asset Based Margins 158 N/A 159 N/A 150 Steam Plant Reagents 151 N/A 152 Steam Water Sales		Purchase					
152 Langdon PPA 153 Ashtabual III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateria purchases 159 Market Purchases 150 Market Purchases 151 Total Purchases 152 MilSO and SPP Energy Only 153 MilSO and SPP Energy Only 154 Total Purchases 155 Sanad 156 Seam Planting Resource Auction Revenues 157 Steam Planting Resource Auction Revenues				[PROTECTED DAT	A BEGINS		
153 Astributa III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160 Image: Control of the second se					-		
154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 150 Market Purchases 151 Total Purchases 152 MilSO and SPP Energy Only 153 MilSO and SPP Energy Only 154 Total Purchases 155 Mind Curtailment 152 Yange 153 Wind Curtailment 154 Saco \$ 155 Saco \$ 156 Asset Based Sales 157 Fuel Costs 158 N/A 159 N/A 150 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass 156 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass 156 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass 157 Asset Based Margins N/A 158 Bianning Resource Auction Revenues N/A 171 Steam Water Sales N/A							
155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160	153		Ashtabula III PPA				
155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 150 Market Purchases 159 Market Purchases 160	154						
56 Shared Loads Image: Shared Loads 57 Small Co-gen 58 Bilateral purchases 59 Market Purchases 59 Market Purchases 60			Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
Small Co-gen Image: Constraint of the second se	155			-	-		Not Applicable to EAR - Excluded from Total
Bilateri purchases Mile 59 Market Purchases MileS and SPP Energy Only 60			WAPA Energy Imbalance	-	-		Not Applicable to EAR - Excluded from Total
Image: Second	156		WAPA Energy Imbalance Shared Loads	-	-		Not Applicable to EAR - Excluded from Total
Image: Non-Section of the section of the secting of the secting of the secting	156 157		WAPA Energy Imbalance Shared Loads Small Co-gen	-	-		Not Applicable to EAR - Excluded from Total
Image: Note of the image is a constraint of the image is	156 157 158		WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	- - - -	-		
Instrument Signed Instrument 163 Wind Curtailment \$33.02 164 Instrument \$33.02 165 Asset Based Sales \$36.04 166 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Margins 167 Asset Based Margins N/A 168 N/A N/A 169 Based Sales 169 N/A N/A 169 Based Sales 169 N/A N/A 169 N/A N/A 170 N/A N/A 171 SteamWater Sales N/A 172 N/A N/A 173 Planning Resource Auction Revenues 174 N/A N/A	156 157 158 159		WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	-			
163 Wind Curtailment \$ 33.02 \$ 33.02 \$ 33.27 164 Image: Constraint of the second o	156 157 158 159 160		WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases			[A ENDS]	MISO and SPP Energy Only
164 1 1 1 165 Asset Based Sales \$ 36.04 \$ 63.96 166 Fuel Costs N/A N/A Based Sales 167 Asset Based Margins N/A N/A Based Sales 168 N/A N/A N/A Based Sales 169 Seam Plant Reagents N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 171 SteamWater Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 172 1 1 1 1 173 Planning Resource Auction Revenues N/A N/A Effective July 2022 174 1 N/A N/A Effective July 2022 - Docket No. E017/GR-20-719	156 157 158 159 160 161		WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases			TA ENDS]	MISO and SPP Energy Only
Asset Based Sales \$ 36.04 \$ 63.96 166 Fuel Costs N/A N/A 167 Asset Based Margins N/A N/A 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass Based Sales 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass Based Sales 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass Based Sales 168 N/A N/A 169 Steam Mater Sales 170 Imanual Margin MWH are not separated - Need to compare total Ass Based Sales 171 Steam Water Sales 172 Imanual Margin MWH are not separated - Need to compare total Ass Based Sales 173 Planning Resource Auction Revenues 174 N/A	156 157 158 159 160 161 162		WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases	\$ 26.05	\$ 38.18	TA ENDS]	MISO and SPP Energy Only
Fuel Costs N/A Fuel Costs Fuel Costs Fuel Costs Fuel Costs N/A Based Sales Based Sales Based Sales Based Sales Cost MWh and Margin MWH are not separated - Need to compare total Ast 166 Asset Based Margins N/A N/A Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ast 168 Asset Based Margins N/A N/A Based Sales 168 Steam Plant Reagents N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 17 SteamWater Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 17 TeamWater Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 17 Planning Resource Auction Revenues N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 17 Planning Resource Auction Revenues N/A N/A Effective July 2022 - Docket No. E017/GR-20-719	156 157 158 159 160 161 162 163		WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases	\$ 26.05	\$ 38.18	[A ENDS]	MISO and SPP Energy Only
Instruction Instruction Instruction Instruction Instruction <td< td=""><td>156 157 158 159 160 161 162 163 164</td><td>Wind Cur</td><td>WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment</td><td>\$ 26.05 \$ 33.02</td><td>\$ 38.18 \$ 33.27</td><td>A ENDS]</td><td>MISO and SPP Energy Only</td></td<>	156 157 158 159 160 161 162 163 164	Wind Cur	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment	\$ 26.05 \$ 33.02	\$ 38.18 \$ 33.27	A ENDS]	MISO and SPP Energy Only
Instruction Instruction Instruction Inferred Costs N/A N/A N/A Based Sales Inferred Costs N/A N/A Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass Inferred Costs N/A N/A N/A Based Sales Inferred Costs N/A N/A Based Sales Inferred Costs N/A N/A Based Sales Inferred Costs N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 Inferred Costs N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 Inferred Costs N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 Inferred Costs N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 Inferred Costs N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 Inferred Costs N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 Inferred Costs N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 Inferred Costs N/A N/A Effective July 2022 - Docket No. E017/GR-20-719	156 157 158 159 160 161 162 163 164	Wind Cur	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment	\$ 26.05 \$ 33.02	\$ 38.18 \$ 33.27	[A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
Asset Based Margins N/A N/A Fuel Cost MWh and Margin MWH are not separated - Need to compare total Ass Based Sales 168 Image: Sale Sales Based Sales 169 Image: Sale Sales N/A N/A 169 Steam Plant Reagents N/A N/A 170 Image: Sale Sales N/A Effective July 2022 - Docket No. E017/GR-20-719 171 Steam Water Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues N/A N/A Effective July 2022 - Docket No. E017/GR-20-719	156 157 158 159 160 161 162 163 164	Wind Cur	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment	\$ 26.05 \$ 33.02	\$ 38.18 \$ 33.27	[A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
Asset Based Margins N/A N/A Based Sales 168	156 157 158 159 160 161 162 163 164 164 165	Wind Cur Asset Bas	WAPA Energy Imbalance Shared Loads Shared Loads Shall Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales	\$ 26.05 \$ 33.02 \$ 36.04	\$ 38.18 \$ 33.27 \$ 63.96	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
Image: Constraint Response N/A N/A Image: Constraint Response N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 70 Image: Constraint Response N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 71 Steam/Water Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 72 Image: Constraint Response N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 73 Planning Resource Auction Revenues N/A N/A Effective July 2022 - Docket No. E017/GR-20-719	156 157 158 159 160 161 162 163 164 165	Wind Cur Asset Bas	WAPA Energy Imbalance Shared Loads Shared Loads Shall Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales	\$ 26.05 \$ 33.02 \$ 36.04	\$ 38.18 \$ 33.27 \$ 63.96	FA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
Steam Plant Reagents N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 70 Image: Constraint of the state o	156 157 158 159 160 161 162 163 164 165 166	Wind Cur	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs	\$ 26.05 \$ 33.02 \$ 36.04 N/A	\$ 38.18 \$ 33.27 \$ 63.96 N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
70 1 Image: Constraint of the second	156 157 158 159 160 161 162 163 164 165 166 166	Wind Cur	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs	\$ 26.05 \$ 33.02 \$ 36.04 N/A	\$ 38.18 \$ 33.27 \$ 63.96 N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
71 Steam/Water Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 72 73 Planning Resource Auction Revenues N/A K/A Effective June 2022 74 74 74 74 74 74	156 157 158 159 160 161 162 163 164 165 166 166	Wind Cur Asset Bas	WAPA Energy Imbalance WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs Asset Based Margins	\$ 26.05 \$ 33.02 \$ 36.04 N/A	\$ 38.18 \$ 33.27 \$ 63.96 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
N/A N/A Effective June 2022 74 N/A Effective June 2022	156 157 158 159 160 161 162 163 164 165 166 166 167 168 169	Wind Cur Asset Bas	WAPA Energy Imbalance WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs Asset Based Margins	\$ 26.05 \$ 33.02 \$ 36.04 N/A	\$ 38.18 \$ 33.27 \$ 63.96 N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
Instruction Revenues N/A N/A Effective June 2022 V174	156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 170	Wind Cur Asset Bas Steam Pla	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 26.05 \$ 33.02 \$ 36.04 N/A N/A	\$ 38.18 \$ 33.27 \$ 63.96 N/A N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
174	156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Wind Cur Asset Bas Steam Pla	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 26.05 \$ 33.02 \$ 36.04 N/A N/A	\$ 38.18 \$ 33.27 \$ 63.96 N/A N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Effective July 2022 - Docket No. E017/GR-20-719
	156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172	Wind Cur Asset Bas Steam Pla	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases tailment seed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 26.05 \$ 33.02 \$ 36.04 N/A N/A N/A	\$ 38.18 \$ 33.27 \$ 63.96 N/A N/A N/A	A ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
175 Total System - Plant Level \$ 19.45 \$ 26.09 Tribal (WAPA) excluded from Total: Asset Based Sales subtracted from Total	156 157 158 159 160 161 162 164 165 166 167 168 169 166 167 168 169 170 171 172 173	Wind Cur Asset Bas Steam Pla	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases tailment seed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 26.05 \$ 33.02 \$ 36.04 N/A N/A N/A	\$ 38.18 \$ 33.27 \$ 63.96 N/A N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
	156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 169 170 171 172 173 174	Wind Curr Asset Bar Steam Pid Steam/Wa Planning	WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues	\$ 26.05 \$ 33.02 \$ 36.04 N/A N/A N/A	\$ 38.18 \$ 33.27 \$ 63.96 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 43 of 78

				August August 2022	2022 Forecast to August 2022	Actual - Expens	e (Revenue)	
Image: 100 and	Line	Diami Gam		Forecast	Actual			Notes
Image: state	1		Big Stone	PROTECTED DATA	A BEGINS			
Sec. Protect DATA B00 -	3		Hoot Lake #2	-				Hoot Lake plant closed in May 2021
			Hoot Lake #3			PROTECT	ED DATA ENDS	
			Total Coal			\$ 2,009,353	61.41%	
No. Lange of Mark Lange of Mark Lange of Mark Lange of Mark 10 Image of Mark Image of Mark Image of Mark Image of Mark 11 Image of Mark Image of Mark Image of Mark Image of Mark 11 Image of Mark Image of Mark Image of Mark Image of Mark 12 Image of Mark Image of Mark Image of Mark Image of Mark 12 Image of Mark Image of Mark Image of Mark Image of Mark 13 Image of Mark Image of Mark Image of Mark Image of Mark 14 Image of Mark Image of Mark Image of Mark Image of Mark 15 Image of Mark Image of Mark Image of Mark Image of Mark 15 Image of Mark Image of Mark Image of Mark Image of Mark 16 Image of Mark Image of Mark Image of Mark Image of Mark 16 Image of Mark Image of Mark Image of Mark Image of Mark 17 Image of Mark Image of Mark </td <td>8</td> <td></td> <td></td> <td></td> <td>A DEGINO</td> <td></td> <td></td> <td></td>	8				A DEGINO			
No. Partnerse Data Rates Partnerse Data Rates 0	10		Luverne Wind	1			•	
1 0 1 1 1 1 0 0 1						PROTECT	ED DATA ENDS	
B Protection 1. Protection 2.			Total Wind	\$-	\$-	\$ -	0	
			Total Hydro		\$- A BEGINS	\$-	0	
Sol Jahn Prade	17				A DEGINO	1		
Display Trade of Power works Trade of Power works Trade of Power works Trade of Power works 20 Power Works Power Works Power Works Power Works Power Works 20 Power Works Power Works Power Works Power Works Power Works 20 Power Works Power Works Power Works Power Works Power Works 20 Power Works Power Works Power Works Power Works Power Works 20 Power Works Power Works Power Works Power Works Power Works Power Works 20 Power Works	19			-				
Del Wood gas - Solow PERCENT PARA INSTREM PERCENT PARA INSTREM Del Percent Para Instrument PERCENT PARA INSTREM PERCENT PARA INSTREM Del Percent Para Instrument PERCENT PARA INSTREM PERCENT PARA INSTREM Del Percent Para Instrument PERCENT PARA INSTREM PERCENT PARA INSTREM Del Percent Para Instrument Percent Para Instrument Percent Para Instrument Del Percent Para Instrument Percent Para Instrument Percent Para Instrument Del Percent Para Instrument Percent Para Instrument Percent Para Instrument Del Percent Para Instrument Percent Para Instrument Percent Para Instrument Del Percent Para Instrument Percent Para Instrument Percent Para Instrument Del Percent Para Instrument Percent Para Instrument Percent Para Instrument Del Percent Para Instrument Percent Para Instrument Percent Para Instrument Del Percent Para Instrument Percent Para Instrument Percent Para Instrument Del Percent ParaInstrument Percent Para Instrument			Total Oil - Peaking Units	\$ 188,147	\$ (15,136)			
PA Nature (as. Ansis) PACINETIC DATA MERS PA France (as. Assis) PACINETIC DATA MERS PA PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PA PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PA PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PA PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PACINETIC DATA MERS PAC			Natural gas - Solway	[PROTECTED DAT	A BEGINS			
S Image: Start Construction The Start Start Construction Start Start Construction Start Start Construction 0 Start Start Construction Note Start Start Construction Image: Start Construction Image: Start Construction 0 How Start Start Construction Note Start Construction Image: Start Construction Image: Start Construction 0 How Start Construction Note Start Construction Image: Start Construction Image: Start Construction 0 How Start Construction Image: Start Construction Image: Start Construction Image: Start Construction 0 How Start Construction Image: Start Construction Image: Start Construction Image: Start Construction 0 How Start Construction Image: Start Construction Image: Start Construction Image: Start Construction 0 How Start Construction Image: Start Construction Image: Start Construction Image: Start Construction 0 How Start Construction Image: Start Construction Image: Start Construction Image: Start Construction 0 How Start Construction Image: Start Construction Image: Start Construction Ima	24		Natural gas - Astoria	-		PROTECT		
Bits Bits <th< td=""><td>26</td><td></td><td>Total Natural Gas</td><td></td><td></td><td>\$ 2,957,913</td><td></td><td></td></th<>	26		Total Natural Gas			\$ 2,957,913		
Simulation			Solar - Blue Jay	[PROTECTED DATA	A BEGINS			
11 Total Stars 1 5 5 6 9 20 Instant Arona Cargan 10 a 075-076 1 4.500,00 100.200 100.200 20 Instant Arona Cargan 20 20.500 Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan 20 20.500 Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan 20 20.500 Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan 20 20.500 Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan 21 20.500 Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan 21 20.500 Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan Instant Arona Cargan 21 20.500 Instant Arona Cargan Instant Arona Cargan Instant Arona Carga			Solar - Blue Heron			PROTECT	ED DATA ENDSI	
D Theory Proceed 4.16.041 5.003044 6.403045 10.105 20 Windows Katel Clays -	31		Total Solar	\$-	\$-			
S Montest Relate Gauge Image	33		Total OTP-Owned	\$ 4,169,081	\$ 8,933,064	\$ 4,763,983	114.27%	
37 6.00 0.4 house freego Angert" 6 - 6 - 6 Programmer 20 0.00 0.5 house freego Angert" 8 - 8 0.00 </td <td>35</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	35							
B 0.000 0.14 0	37	555.02	DA Asset Energy Amount***	\$ -	\$ -			
6 0.00 7 0	38	555.04	DA FBT Loss Amount					
Col: Col: <thcol:< th=""> Col: Col: <thc< td=""><td>40</td><td>555.19</td><td>RT Asset Energy Amount***</td><td>\$ -</td><td>\$ -</td><td>s -</td><td>0</td><td></td></thc<></thcol:<>	40	555.19	RT Asset Energy Amount***	\$ -	\$ -	s -	0	
eta IST Conc Amount	42		RT FBT Loss Amount	\$ -	\$ -	\$ -	0	
44 85.00 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5 7 <td>44</td> <td></td> <td>RT Loss Amount</td> <td>\$ 14,390</td> <td>\$ 5,543</td> <td>\$ (8,847)</td> <td>-61.48%</td> <td></td>	44		RT Loss Amount	\$ 14,390	\$ 5,543	\$ (8,847)	-61.48%	
47 6312 DA Yong Lange Analy 8 - 1 - 1 <th1< th=""> 1 1 <th1< th=""></th1<></th1<>								
48 55.01 A Mit Admin Ancort 5 4.6.67 5 6.5.01 2.2.804 10.2.805 Exclude from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded from Total MSQ Writesala Matter Charge - Not MREAM of A 70% Excluded From	47	555.12	DA Virtual Energy Amount	\$ - \$ -	\$ -	s -		
61 6513 FTR BM J. Anone 5 2.774 5 2.604 5 7.75 7.145 Exclusion from the MISC Unregine - Not MISC Unregine	49	555.01	DA Mkt Admin Amount	\$ 43,457	\$ 66,351	\$ 22,894	52.68%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51 60.4 Congenion 5 180.015 3 87.4400 5 67.74 180.015 64 65.20 171 161 Congenity 5 177 171 181.00 180.015	51	555.13	FTR Mkt Admin Amount	\$ 2,174	\$ 2,649	\$ 475		
55 IFT Competition 5 19.077 5 39.880 5 374.810 1564.755 56 171 TR burgh Macana Annual 5 (17.072) 3 (24.033) (13.771) - 44.037 56 555.25 TR burgh Macana Annual 5 (17.271) 3 (24.033) (13.271) - - 3		555.03					0 361.86%	
96 651:1 ITR Houdy Macaun Anount \$ (1977) (2780) \$ (2651) (1977) (1978)		555.20	RT FBT Congestion Amount RT Congestion					
69 550:77 FTR Yeardy Algoriton Answert \$ - \$ - 0 69 555.57 FTR Monthy Transaction Answert \$ (115,27) 5.22.44 \$ (123,27) 69 555.37 FTR Auton Revenue Rights Transaction Answert \$ (258,58) 6.335.558 2443.055 63 555.39 FTR Auton Revenue Rights Transaction Answert \$ (274,98) \$ 6.335.58 63 555.39 FTR Auton Revenue Rights Transaction Answert \$ (274,98) \$ 6.305.69 2443.005 66 555.47 FTR Auton Revenue Rights Stage Databaset \$ (48,12)		555.14	FTR Hourly Allocation Amount					
60 555.30 FTR Full Andrag Guarante Ansam \$ 	58	555.17	FTR Yearly Allocation Amount	\$ -	\$-	ş -	0	
62 555:30 FTR Action Review Right Transaction Amount \$ (258,08) <td< td=""><td>60</td><td>555.36</td><td>FTR Full Funding Guarantee Amount</td><td>\$ 14,139</td><td>\$ (2,824)</td><td>\$ (16,964)</td><td>-119.97%</td><td></td></td<>	60	555.36	FTR Full Funding Guarantee Amount	\$ 14,139	\$ (2,824)	\$ (16,964)	-119.97%	
64 655.40 FTR Autoin Revenue Rights Interable Uptif Anount \$ 1.944 \$ 7.251 372.89% 66 555.41 FTR Autoin Revenue Rights Sings 20 tribution Anount \$ 6.957.10 5.700 277.17% 66 555.41 DA Revenue Sufficiency Guarante Mare Whole Print Anount \$ 5.664 \$ 7.701 2.701 67 555.20 RT Revenue Sufficiency Guarante Mare Whole Print Anount \$ 1.977.91 \$ 4.702 2.402.91 4.97.702 4.000% 77 555.20 RT Revenue Sufficiency Guarante Mare Whole Print Anount \$ 1.97.710 \$ 7.702 4.000% 77 555.20 RT Revenue Sufficiency Guarante Mare Mare Whole Print Anount \$ 1.97.710 \$ 7.702 4.000% 78 555.20 RT Neit Nader Mare Mare Mare Mare Mare Mare Mare Ma							2443.23%	
66 553.41 FTR Aution Revenue Rights Stage 2 Distribution Amount \$				\$ 257,988 \$ 1.944				
67 555.10 D.R. Revnue Sufficiency Quarrate Bustitudion Amount \$ 5.646 \$ 1.200 277.17% 68 556.11 D.R. Revnue Sufficiency Quarrate Bustitudion Amount \$ 162.200 \$ 66.800 916.505% 69 256.20 RT. Revnue Sufficiency Quarrate Bustitudion Amount \$ 162.201 \$ 66.420 \$ 66.420 \$ 66.420 \$ 66.420 \$ 66.420 \$ 66.420 \$ 66.420 \$ 66.420 \$ 66.420 \$ 66.420 \$ 66.420 \$ 66.500	65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount		\$ (125,260)	\$ (90,283)		
66 655.20 RT Rewnus Sufficiency Guarantee First Pass Distribution Amount \$ 10.75 \$ 64.80 \$ 7.722 -10.000% 77 555.42 RT Rewnus Sufficiency Guarantee first Pass Distribution Amount \$ (17.02) \$ (17.02) 421.055 421.055 72 555.22 RT Revnus Sufficiency Guarantee first Pass Distribution Amount \$ (14.01) \$ (14.05) 421.055 72 555.22 RT He Individent Amount \$ (14.01) \$ (14.05) 443.057 \$ (14.05) 76 555.52 RT Demark Response Allocation Uplit Amount \$ 2.525 \$ 8.02 \$ (1.899) \$ 3.02 455.01 4.4207 77 555.53 RT Demark Response Allocation Uplit Amount \$ 2.2791 \$ (1.899) \$ 3.02 4.4207 78 555.56 RT Amount \$ 2.2791 \$ (1.891 \$ 10.02 0 78 555.56 RT Amount \$ (1.991 \$ (1.991 \$ 10.0	67	555.10	DA Revenue Sufficiency Guarantee Distribution Amount		\$ 21,364	\$ 15,700		
71 555.42 RT Reverse Versitelly Uplit Amount \$ (15,039) \$ (67,242) 421,95% 72 555.25 RT Meen Amount \$ 11.075 (15,039)	69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 19,075	\$ 64,855	\$ 45,780	240.00%	
73 55.25 RT Mex Amount \$ 10.002 \$ 11.028 \$ 11.675 1381.27% 74 55.27 RT Net Inadvental Amount \$ 48.65 \$ 12.521 \$ 11.675 1381.27% 76 55.33 RT Demand Response Allocation Uplift Amount \$ 0.265 \$ 8.802 \$ (454) -4.49% 77 55.53 RT Schedule 30 \$ 12.521 \$ 11.675 1381.27% 78 55.53 RT Schedule 30 \$ 12.521 \$ 11.675 1381.27% 78 55.55 RT Schedule 30 \$ 12.521 \$ 11.675 1381.27% 79 55.55 RT Schedule 30 \$ 12.511 \$ 11.675 1381.27% 80 55.55 RT Schedule 30 \$ 12.511 \$ 11.675 1382.76% 80 5.55.55 O Accesses Reheary Amount*** \$ 1.5 \$ 1.5 \$ 1.0 81 55.55 O Accesses Reheary Amount*** \$ 1.5 \$ 1.5 \$ 1.0 82 6.55.55 O Accesses Reheary Amount** \$ 1.5 \$ 1.2 \$ 1.0 83 5.55.55 O Accesses Reheary Amount** \$ 102.493 \$ 1.324.673.17		555.30 555.42	RT Price Volatility Make Whole Payment					
74 555.27 RT Net Inadvettert Amount \$ 8.45 \$ 11.575 1381.27% 75 555.58 RT Unstructured Deviation Amount \$ \$ \$ \$ 0 76 555.59 RT Demand Response Allocation Liplit Amount \$ 0.256 \$ 4.490% 77 555.64 RT Stretfulle 42 \$ (2.179) \$ (1.809) 3.80 -1.696% 78 555.64 RT Stretfulle 42 Color Distribution Amount \$ 0.912 \$ 0.432% 78 555.64 RT Stretfulle 42 Color Distribution Amount \$ 0.912 \$ 0.933 1.097.7% 78 55.55 RT ASM Non-Excessive Entrace Amount \$ - \$ - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 </td <td>72</td> <td>555.28</td> <td>RT Revenue Neutrality Uplift Amount</td> <td>\$ 47,497</td> <td>\$ (1,110)</td> <td>\$ (48,607)</td> <td>-102.34%</td> <td></td>	72	555.28	RT Revenue Neutrality Uplift Amount	\$ 47,497	\$ (1,110)	\$ (48,607)	-102.34%	
76 555.59 RT Demand Response Allocation Uplift Amount \$ Q.266 S. 802 Q.459 Q.459 Q.263 Q.264 Q.264 Q.263 Q.264 Q.265 Q.266 Q.265 Q.266 Q.266 Q.266 Q.266 Q.266 Q.267 Q.268 Q.268 Q.268 Q.268 Q.268 Q.268 Q.268	74	555.27	RT Net Inadvertent Amount	\$ 845	\$ 12,521	\$ 11,675		
79 655.64 RT Schedule 40 Cot Distribution Amount \$ 109 109 109 109 109 109 109 109 109 109 100 100	76	555.59	RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 8,802	\$ (454)		
80 555.5 RT ASM Konselve Energy Amount*** \$ \$ \$ 0 81 555.56 DA Congestion Rebate on COGA \$ \$ \$ 0 82 555.05 DA Congestion Rebate on COGA \$ \$ \$ 0 84 555.22 RT Congestion Rebate on COGA \$ \$ \$ 0 85 552.23 RT Loss Rebate on COGA \$ \$ \$ 0 86 Net Congestion and Losses Adjustment & No DA Generation Schedu \$ \$ \$ 0 87 - Total MISO Wholesale Market Charges \$ \$ \$ 102,4673.75 89 - Total MISO Wholesale Market Charges \$ \$ 122,4673.75 \$ 122,2181 1192,46% Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) 90 SP Wholesale Market Charges \$ \$ \$ 0 Energy Amounts - included/embedded within Market Purchases 91 555.10 DA Asset Energy Amount \$ \$ \$ 0	78	555.64	RT Ramp Product	\$ 229	\$ (2,263)	\$ (2,492)	-1087.78%	
81 555.6 RT ASM Excessive Energy Amount*** \$ - \$ 0 82 555.06 DA Longest Robate on COGA \$ - \$ 0 83 555.06 DA Longest Robate on COGA \$ - \$ 0 84 555.22 RT Longestion Robate on COGA \$ - \$ 0 86 Net Congestion Robate on COGA \$ - \$ 0 0 87 - \$ - \$ - 0 0 87 - Total MISO Wholesale Market Charges 102,493 \$ 1,324,673.75 \$ 1,222,181 1192.46% Total Excludes Schedule 16 and 17 (Lines 40,41,42 Above) 89 - 102,493 \$ 1,324,673.75 \$ 1,222,181 1192.46% Total Excludes Charges 0 90 SPP Wholesale Market Charges - \$ - \$ - \$ - 0 0 91 555.00 DA Non-asset Energy Amount** \$ - \$ - \$ - 0 0 92 555.00 RT Mack-Whole-Payment Distribution Amount \$ - \$ - <t< td=""><td></td><td></td><td></td><td></td><td>\$ 19,914 \$ -</td><td></td><td></td><td></td></t<>					\$ 19,914 \$ -			
83 555.66 DA Losses Rebate on COGA \$ \$ \$ \$ 0 84 555.23 RT Loss Rebate on COGA \$ \$ \$ 0 86 Net Congestion Rebate on COGA \$ \$ \$ 0 87 Net Congestion Rebate on COGA \$ \$ \$ 0 87 Net Congestion Rebate on COGA \$ \$ \$ \$ 0 88 Net Congestion and Losses Adjustment & No DA Generation Schedul \$ \$ 1122.46% Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) 90 SPP Wholesale Market Charges \$ \$ \$ \$ 0 Energy Amounts - included/embedded within Market Purchases 91 55.19 DA Asset Energy Amount** \$ \$ \$ \$ 0 92 55.00 RT Non-Asset Energy Amount** \$ \$ \$ \$ 0 93 55.00 RT Newnexe Sufficiency Quarantee Distribution Amount \$ \$ \$ 0 94 55.50 RT Revenue Sufficiency Quarantee Distribution Amount \$ 25 \$ <td>81</td> <td>555.56</td> <td>RT ASM Excessive Energy Amount***</td> <td>\$ -</td> <td>\$ -</td> <td>\$ -</td> <td>0</td> <td></td>	81	555.56	RT ASM Excessive Energy Amount***	\$ -	\$ -	\$ -	0	
185 55.23 RT Loss Rebate on COGA S S O 366 Net Congestion and Losses Adjustment & No DG Generation Schedu § - \$ (160.651) 0 37 Total MISO Wholesale Market Charges § 102,493 \$ 1,324,673.75 \$ 1,222,181 1192.46% 39 - - - - 0 Energy Amounts - included/embedded within Market Purchases 30 SPP Wholesale Market Charges - \$. \$. 0 Energy Amounts - included/embedded within Market Purchases 31 555.09 RT Asset Energy Amount** \$. \$. \$. 0 Energy Amounts - included/embedded within Market Purchases 34 555.09 RT Asset Energy Amount** \$. \$. \$. 0 Energy Amounts - included/embedded within Market Purchases 345 555.00 RT Marke-Whole-Payment Distribution Amount \$. \$. 0 Energy Amounts - included/embedded within Market Purchases 345 555.00 RT Non-Asset Energy Amount* \$. \$. 0 Energy Amounts - included/embedded within Market Purchases	83	555.06	DA Losses Rebate on COGA	\$-	\$ -	\$ -	0	
87 Total MISO Wholesale Market Charges 102,493 \$ 1,324,673.75 \$ 1,222,181 1192.46% Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) 88 SPP Wholesale Market Charges 1152.46% 1192.46% Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) 90 SPP Wholesale Market Charges 1 1192.46% Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above) 91 555.19 DA Asset Energy Amount** \$ \$ \$ 0 92 555.03 DA Non-asset Energy Amount** \$ \$ \$ 0 93 555.09 RT Asset Energy Amount** \$ \$ \$ 0 Energy Amounts - included/embedded within Market Purchases 94 555.00 RT Non-Asset Energy Amount \$ \$ \$ 0 Energy Amounts - included/embedded within Market Purchases 94 555.00 RT Asset Whole Payment Distribution Amount \$ \$ \$ 0 0 95 555.01 RT Revenue Sufficiency Quarantee Distribution Amount \$ \$ \$ 0 0	85		RT Loss Rebate on COGA	\$ -	\$ -	\$ -	0	
B8 90 SPP Wholesale Market Charges	87						-	
90 SPP Wholesale Market Charges				\$ 102,493	\$ 1,324,673.75	\$ 1,222,181	1192.46%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
92 555.03 DA Non-asset Energy Amount \$ \$ \$ \$ 0 93 555.00 RT Asset Energy Amount*** \$ \$ \$ 0 0 94 555.00 RT Asset Energy Amount \$ \$ \$ 0 0 95 555.02 DA Make-Whole-Payment Distribution Amount \$ \$ \$ 0 0 96 555.10 RT Make-Whole-Payment Distribution Amount \$ 2 \$ 0 0 97 555.18 RT Revenue Sufficiency Guarantee Distribution Amount \$ 22 \$ 0 <td< td=""><td>90</td><td></td><td></td><td>s -</td><td>s -</td><td>s -</td><td>0</td><td>Energy Amounts - included/embedded within Markat Purchases</td></td<>	90			s -	s -	s -	0	Energy Amounts - included/embedded within Markat Purchases
94 555.00 RT Non-Asset Energy Amount \$ \$ \$ \$ 0 95 555.00 DA Make Whole-Payment Distribution Amount \$ \$ \$ 0 96 555.10 RT Make Whole-Payment Distribution Amount \$ 2 \$ 0 97 555.18 RT Revenue Sufficiency Guarantee Distribution Amount \$ 2 \$ 0 98 555.15 RT Revenue Neutrality Uplift Distribution Amount \$ 2 \$ (5) \$ - 0 98 555.04 DA Regulation-Do Distribution Amount \$ 22 \$ (0) \$ (15) -100.3% 100 555.05 DA Regulation-Do Distribution Amount \$ 27 \$ (0) \$ (15) -100.3% 101 555.06 DA Spinning Reserve Distribution Amount \$ 29 \$ (0) \$ (10) \$ (10) \$ 0 5 0 -100.07% 102 555.07 <t< td=""><td>92</td><td>555.03</td><td>DA Non-asset Energy Amount</td><td></td><td>\$ -</td><td>\$ -</td><td>0</td><td></td></t<>	92	555.03	DA Non-asset Energy Amount		\$ -	\$ -	0	
96 555.10 RT Make-Whole-Payment Distribution Amount \$ 235 \$ (2) \$ (236) - (10.7%) 97 555.18 RT Revenue Sufficiency Guarance Distribution Amount \$ (2) \$ (21) \$ (236) - (10.7%) 98 555.15 RT Revenue Neutrality Uplift Distribution Amount \$ (21) \$ (27) - (124.34%) 99 555.04 DA Regulation-Up Distribution Amount \$ (27) - (100.3%) 100 555.05 DA Regulation-Up Distribution Amount \$ (27) - (100.40%) 101 555.06 DA Spinning Reserve Distribution Amount \$ (27) - (10.40%) 102 555.07 DA Supomental Reserve Distribution Amount \$ (4) - (10.07%) 103 555.08 RT Contingency Reserve Delstribution Amount \$ (0) \$ (4) - (100.07%) 104 555.11 RT Overve Distribution Amount \$ (0) \$ (29) \$ (23.93) 293.96% 105 555.12 RT Regulation-Down Distribution Amount \$ (0) \$ (0) \$ (112.75%) 106 555.14 RT Regulation-NonePoremance D	94	555.00	RT Non-Asset Energy Amount	\$-	\$ -	s -	0	
97 555.18 RT Revenue Sufficiency Guarantee Distribution Amount \$ \$ \$ \$ 0 98 555.04 DA Regulation-Down Distribution Amount \$ 22 \$ (5) \$ (15) - 120.3% 100 555.04 DA Regulation-Down Distribution Amount \$ 27 (10) 57.01 - 100.3% 100 555.05 DA Regulation-Ub Distribution Amount \$ 27 (10) 5 (27) - 100.40% 101 555.06 DA A Spinning Reserve Distribution Amount \$ 27 \$ (0) \$ (27) - 100.40% 102 555.06 RT Contingency Reserve Deployment Failure Amount \$ 4 \$ (0) \$ (4) - 100.05% 103 555.08 RT Contingency Reserve Deployment Failure Amount \$ (0) \$ 0 - 100.00% 104 555.11 RT Over-Collected Losses Distribution Amount \$ (0) \$ 0 1 - 18.77% - 100.00% - 1		555.02	DA Make-Whole-Payment Distribution Amount					
199 555.04 DA Regulation-Down Distribution Amount \$ 15 \$ (0) \$ (15) -100.33% 100 555.05 DA Regulation-Up Distribution Amount \$ 27 -100.43% 101 555.06 DA Spinning Reserve Distribution Amount \$ 27 (10) \$ (30) -101.16% 102 555.07 DA Supinematia Reserve Distribution Amount \$ 4 \$ (0) \$ (4) -100.07% 102 555.07 DA Supinematia Reserve Distribution Amount \$ (1) \$ 0 \$ 0 -100.07% 104 555.10 RT Contingency Reserve Distribution Amount \$ (1) \$ 0 \$ 0 -100.07% 105 555.12 RT Regulation-Down Distribution Amount \$ (0) \$ 0 \$ 1 118.77% 106 555.12 RT Regulation-Down Distribution Amount \$ (1) \$ \$ 1 100.00% 107 5	97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$ -	\$-	ş -	0	
101 555.06 DA Spinning Reserve Distribution Amount \$ 29 \$ (0) \$ (30) -101.16% 102 555.07 DA Supinemtal Reserve Distribution Amount \$ 4 \$ (0) \$ (4) -100.07% 103 555.08 RT Contingency Reserve Deployment Failure Amount \$ (0) \$ - \$ 0 -100.07% 104 555.11 RT Ore-Collected Losse Distribution Amount \$ (7,516) \$ (29,609) \$ (22,093) 293.96% 105 555.12 RT Regulation-Down Distribution Amount \$ (0) \$ 0 \$ 1 -118.77% 106 555.13 RT Regulation-Down Distribution Amount \$ (0) \$ 0 \$ 1 -112.75% 107 555.14 RT Regulation-Up Distribution Amount \$ (1) \$ - \$ 1 -100.00% 108 555.16 RT Spinning Reserve Distribution Amount \$ (0) \$ - \$ 0 -100.00% 108 555.17 RT Spinning Reserve Distribution Amount \$ (0) \$ - \$ 0 -100.00% 108 555.17 RT Spinning Reserve Distribution Amoun	99	555.04	DA Regulation-Down Distribution Amount	\$ 15	\$ (0)	\$ (15)	-100.33%	
103 555.08 RT Contingency Reserve Deployment Failure Amount \$ (0) \$ - \$ \$ 0 -100.00% 104 555.11 RT Over-Collected Losses Distribution Amount \$ (7,516) \$ (22,03) 233.96% 105 555.12 RT Regulation-Down Distribution Amount \$ (0) \$ 0 \$ 1 -118.77% 106 555.13 RT Regulation-Non-Portmance Distribution Amount \$ (0) \$ 0 \$ 1 -118.77% 107 555.14 RT Regulation-Up Distribution Amount \$ (0) \$ 0 \$ 1 -100.00% 106 555.16 RT Regulation-Up Distribution Amount \$ (1) \$ 0 \$ 1 -100.00% 108 555.16 RT Spinning Reserve Distribution Amount \$ (0) \$ - \$ 0 -100.00% 108 555.17 RT Supulemental Reserve Distribution Amount \$ (0) \$ - \$ 0 -100.00% 109 555.21 RT Fseudo Tie Congestion Amount \$ (65,52) \$ (234.058) \$ (168.476) 256.39% 111 555.21 RT Fseudo Tie Congestion Amount \$ (17.084) \$ (95.02) \$ (77.396) 456.39% 112 555.23	101	555.06	DA Spinning Reserve Distribution Amount	\$ 29	\$ (0)	\$ (30)	-101.16%	
104 555.11 RT Over-Collected Losses Distribution Amount \$ (7,516) \$ (22,003) 233.96% 105 555.12 RT Regulation-Down Distribution Amount \$ (0) \$ 0 \$ 1 -118.77% 106 555.13 RT Regulation-Down Distribution Amount \$ (0) \$ 0 \$ 1 -118.77% 106 555.13 RT Regulation-Do Distribution Amount \$ (0) \$ 0 \$ 1 -118.77% 107 555.14 RT Regulation-Do Distribution Amount \$ (0) \$ 0 \$ 1 -100.00% 108 555.17 RT Supplemental Reserve Distribution Amount \$ (0) \$ - \$ 0 -100.00% 108 555.17 RT Supplemental Reserve Distribution Amount \$ (0) \$ - \$ 0 -100.00% 110 555.20 RT Pseudo Tie Congestion Amount \$ (0) \$ - \$ 0 -100.00% 110 555.21 RT Pseudo Tie Loss Amount \$ (65.582) \$ (24.061) \$ (168.476) 256.89% 111 555.23 Miccellaneous Amount \$ (17.064) \$ (95.052) \$ (77.969) 456.39%<	103	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ -	\$ 0	-100.00%	
106 555.13 RT Regulation Non-Performance Distribution Amount \$ (0) \$ 0 \$ 0 127.7% 107 555.14 RT Regulation Non-Performance Distribution Amount \$ (1) \$ 1 -100.00% 108 555.16 RT Supplemental Reserve Distribution Amount \$ (0) \$ \$ 0 -100.00% 109 555.17 RT Supplemental Reserve Distribution Amount \$ (0) \$ \$ 0 -100.00% 110 555.20 RT Sequido Tic Congestion Amount \$ (65.582) \$ (234.058) \$ 168.476) 256.89% 111 555.21 RT Pseudo Tie Loss Amount \$ (17.084) \$ (95.052) \$ (77.969) 456.39% 112 555.23 Miscellaneous Amount \$ (5) \$ 358 \$ 363 -7213.97% 113 555.26 ARR Closeout Yearly Amount \$ \$ \$ 0 0	104	555.11	RT Over-Collected Losses Distribution Amount	\$ (7,516)	\$ (29,609)	\$ (22,093)	293.96%	
108 555.16 RT Spinning Reserve Distribution Amount \$ (0) \$ - \$ 0 -100.00% 109 555.17 RT Supplemental Reserve Distribution Amount \$ (0) \$ - \$ 0 -100.00% 110 555.20 RT Pseudo Tie Congestion Amount \$ (0) \$ (234,058) \$ (168,476) 256.89% 111 555.21 RT Pseudo Tie Loss Amount \$ (17,084) \$ (95,052) \$ (77,969) 456.39% 112 555.23 Miscellaneous Amount \$ (5) \$ 356 \$ 363 -7213.97% 113 555.26 ARR Closeout Yearly Amount \$ - \$ - 0	106	555.13	RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ 0	\$ 0	-112.75%	
110 555.20 RT Pseudo Tie Congestion Amount \$ (65,582) \$ (234,058) \$ (168,476) 256.89% 111 555.21 RT Pseudo Tie Loss Amount \$ (17,084) \$ (95,052) \$ (77,969) 456.39% 112 555.23 Miscellaneous Amount \$ (5) \$ 358 \$ 363 -7213.97% 113 555.26 ARR Closeout Yearly Amount \$ - \$ - 0 0	108	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ -	\$ 0	-100.00%	
111 555.21 RT Pseudo Tie Loss Amount \$ (17.084) \$ (95.052) \$ (77.969) 456.39% 112 555.23 Miscellaneous Amount \$ (5) \$ 358 \$ 363 -7213.97% 113 555.26 ARR Closeout Yearly Amount \$ \$ 0	110	555.20	RT Pseudo Tie Congestion Amount	\$ (65,582)	\$ (234,058)	\$ (168,476)	256.89%	
113 555.26 ARR Closeout Yearly Amount \$ - \$ - \$ 0		555.21	RT Pseudo Tie Loss Amount					
		555.26		\$ -	\$ -	s -	0	
115 55.25 RT Scheduler A3 mount 3 (0/1 a) 3 0 100.00% 115 55.25 RT Scheduler A3 mount \$ 3 \$ - \$ 03 -100.00%								

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 44 of 78

		RT Schedule 1A4 Amount	\$	18		(0)		(18)	-100.77%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-		New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	S	-	0	New charge type in 2022
		RT Ramp Down Distribution Amount	\$	-	\$		Š			New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	ŝ	(0)		(14)		Now onling of the in Local
		DA GFA Carve Out Distribution Deployment Monthly Amount	\$		\$	-	S	-	-101.02.70	
123		DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	ŝ	-	0	
	555.27					(358.369)		(235.044)	190.59%	
125 126		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(358,369)	>	(235,044)	190.59%	
							-			
127		MISO ASM			_					
128		Day Ahead Regulation Amount	\$	(74,029)		(21,889)		52,140	-70.43%	
129		Real Time Regulation Amount	\$	21,204	\$	(6,988)		(28,191)	-132.95%	
130		Regulation Cost Distribution Amount	\$	11,407	Ş	20,534		9,127	80.02%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(2,536)	\$	(2,536)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(134)	\$	(134)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	2,422		2,422	0	
134		Day Ahead Spinning Reserve Amount	\$	(21.316)	\$	(18,104)		3.211	-15.07%	
135		Real Time Spinning Reserve Amount	ŝ	5.325	ŝ	24.880		19.554	367.19%	
136		Spinning Reserve Cost Distribution Amount	s	10.267	ŝ	15,704		5,437	52.96%	
137		Day Ahead Supplemental Reserve Amount	\$	(5,527)	\$	(31,252)		(25,725)	465.44%	
137		Real Time Supplemental Reserve Amount	э S	2,422	ş	12,382		9,959	405.44%	
139		Supplemental Reserve Cost Distribution Amount	Ş	1,649	\$	4,323		2,674	162.17%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	Ş	2,572	\$	2,186		(386)	-15.01%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	4,904	\$	3,228	192.54%	
144		Total MISO ASM	\$	(44,349)	\$	6,432	\$	50,781	-114.50%	
145										
146		Total Wholesale Market Charges	\$	(31,677)	\$	972,737	\$	1.004.413	-3170.84%	
147							<u> </u>	1		
148										
149	Purchase	d Power								
150	. ai onado		IPROTE	ECTED DAT		GINS				
151		Edgeley PPA	li Kon	LOILD DAI		-0110	-			
151		Langdon PPA	-						-	
			-						-	
153		Ashtabula III PPA	-							
154		Tribal (WAPA)	L							Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance	L						-	
156		Shared Loads	L						-	
157		Small Co-gen	L							
158		Bilateral purchases			i i	i i			່ ປັ	
159		Market Purchases	\$	3,068,636	\$	5,540,616	\$	2,471,980	80.56%	MISO and SPP Energy Only
160								PROTECT	ED DATA ENDS]	
161		Total Purchases	s	4.628.036	\$	5.580.590	ŝ	952.554		Tribal (WAPA) excluded from Total
162		701011 01010303	Ť	.,020,000	Ť	3,000,000	<u>ل</u>	002,004	20.0070	
	Wind Cur	tailment	s	8.118	\$	(141,333)	¢	(149.451)	-1840.89%	
163	mila cur	taimient	Ŷ	0,110	۴°	(141,333)	*	(143,431)	-1040.09%	
	A De	and Onland		540.004		0 700 004		0.400.440	400 770/	On the MN FOA Only to the Only the start from Tatal
	Asset Bas		\$	513,884		2,706,994		2,193,110		Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	S	365,388	\$	2,099,622		1,734,234	474.63%	
				148.496	\$	607,372	\$	458,876	309.02%	
167		Asset Based Margins	\$	140,490						
168										
168		Asset Based Margins ant Reagents	\$ \$	-	\$	383,246	\$	383,246	0	Effective July 2022 - Docket No. E017/GR-20-719
168					\$	383,246	\$	383,246	0	Effective July 2022 - Docket No. E017/GR-20-719
168 169 170	Steam Pla				\$ \$	383,246		383,246		Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
168 169 170 171	Steam Pla	ant Reagents	\$	•						
168 169 170 171 172	Steam Pla Steam/Wa	ar Reagents Later Sales	\$ \$	-	\$	(174,087)	\$	(174,087)	0	Effective July 2022 - Docket No. E017/GR-20-719
168 169 170 171 172 173	Steam Pla Steam/Wa	ant Reagents	\$	•			\$		0	
168 169 170 171 172 173 174	Steam Pla Steam/Wa Planning	ar Reagents Later Sales	\$ \$	-	\$	(174,087)	\$	(174,087)	0	Effective July 2022 - Docket No. E017/GR-20-719

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

Att2 Rate CalculationMN OTP Initial Filing 2021-05-03

\$8,259,674.64

1			August 2022	Forecast to Actua	al - M\	Wh
			August 2022	August 2022		
Line	Plant Ger	neration	Forecast [PROTECTED DAT)	Actual A BEGINS		Notes
1 2		Big Stone				
3		Coyote Hoot Lake #2				Hoot Lake plant closed in May 2021
4		Hoot Lake #3		TECTED DATA E	NDSI	
6		Total Coal	133,975	243,881		
7 8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9		Ashtabula Wind	_	-		
10 11		Luverne Wind Merricourt	—	-		
12				TECTED DATA E	NDS]	
13 14		Total Wind	69,862	72,284		
15 16		Total Hydro	1,699 [PROTECTED DAT	1,751		
17		Jamestown 1				
18 19		Jamestown 2 Lake Preston		-		
20				TECTED DATA E		
21 22		Total Oil - Peaking Units	791 [PROTECTED DAT			
23 24		Natural gas - Solway Natural gas - Astoria		-		
25				TECTED DATA E	NDS]	
26 27		Total Natural Gas	31,148 [PROTECTED DAT	39,982 A BEGINS		
28		Solar - Blue Jay				
29 30		Solar - Blue Heron	PRO	TECTED DATA E	NDS]	
31 32		Total Solar		10		
33		Total OTP-Owned	237,475	357,989		
34 35	Wholesal	e Market Charges				
36		MISO Wholesale Market Charges	L1/*			
37 38		DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
39	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
41	555.24	RT Distribution of Losses Amount	N/A	N/A		
42 43		RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
44		RT Loss Amount	N/A	N/A		
46	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A	L	
47 48	555.12	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
49	555.01	DA Mkt Admin Amount	N/A	N/A		
50 51		RT Mkt Admin Amount FTR Mkt Admin Amount	N/A N/A	N/A N/A		
52	555.03	DA FBT Congestion Amount	N/A	N/A		
53 54	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
55 56		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
57	555.15	FTR Monthly Allocation Amount	N/A	N/A		
58 59		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
61 62		FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
63 64		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66 67	555.07 555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amoun RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
73	555.25	RT Misc Amount	N/A	N/A		
74 75	555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
76	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
78	555.64	DA Ramp Product RT Ramp Product	N/A N/A	N/A N/A		
79	555.65	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A	<u> </u>	
81	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
82 83	555.05 555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
84	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 86 87	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A		
87 88		Total MISO Wholesale Market Charges				
89						
90 91	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
92	555.03	DA Non-asset Energy Amount	N/A N/A	N/A N/A		
	555	RT Asset Energy Amount*** RT Non-Asset Energy Amount	N/A	N/A		
	555.02	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A	-	
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
		RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A	L	
100	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
	555.08 555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
105	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
108	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		
111	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
114 115		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
			IN/A	in A	•	•

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 46 of 78

1116 555.30 RT Schedule 1A4 Amount N/A N/A N/A 117 555.31 DA Ramp Up Distribution Amount N/A N/A <t< th=""><th></th></t<>	
118 555.32 DA Ramp Down Distribution Amount N/A N/A N/A N/A N/A 119 555.33 RT Ramp Up Distribution Amount N/A	
119 555.33 RT Ramp Non Performance Distribution Amount N/A N/A <td></td>	
120 555.34 RT Ramp Up Distribution Amount N/A N/A New charge type in 2022 121 555.35 RT Ramp Down Distribution Deployment Daily Amount N/A N/A New charge type in 2022 122 555.30 D A GFA Carve Out Distribution Deployment Monthly Amount N/A N/A N/A 123 555.27 DA GFA Carve Out Distribution Deployment Monthly Amount N/A N/A 124 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 124 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 125 Total SPP Wholesale Market Charges	
121 655.35 RT Ramp Down Distribution Amount N/A N/A New charge type in 2022 122 655.01 DA GFA Carve Out Distribution Deployment Monthly Amount N/A N/A N/A 123 555.22 DA GFA Carve Out Distribution Deployment Monthly Amount N/A N/A N/A 124 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 125 Total SPP Wholesale Market Charges 126 Total SPP Wholesale Market Charges 127 MISO ASM N/A N/A 128 Day Ahead Regulation Amount N/A N/A 129 Real Time Regulation Amount N/A N/A 130 Regulation Cost Distribution Amount N/A N/A 131 Day Ahead Spinning Reserve Amount N/A N/A 133 Short-Term Reserve Cost Distribution Amount N/A N/A <td></td>	
122 555.01 DA GFA Carve Out Distribution Deployment Daily Amount N/A N/A 123 555.22 DA GFA Carve Out Distribution Deployment Monthy Amount N/A N/A 124 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 126 Total SPP Wholesale Market Charges N/A N/A 127 MISO ASM 128 Day Ahead Regulation Amount N/A N/A 129 Real Time Regulation Amount N/A N/A 130 Regulation Cast Distribution Amount N/A N/A 131 Day Ahead Short-Term Reserve Amount N/A N/A 132 Real Time Fortherm Reserve Amount N/A N/A 133 Short-Term Reserve Cost Distribution Amount N/A N/A 134 Day Ahead Spining Reserve Amount N/A N/A 135 Real Time Spining Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 137 Day Ahead Spining Reserve Amount N/A N/A 138 Real Time Spinning Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real T	
123 555.27 DA GFA Carve Out Distribution Deployment Monthly Amount N/A N/A 124 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 126 Total SPP Wholesale Market Charges Image: Charge Out Distribution Deployment Yearly Amount N/A 126 MISO ASM Image: Charge Out Distribution Amount N/A N/A 127 MISO ASM Image: Charge Out Distribution Amount N/A N/A 128 Day Ahead Regulation Amount N/A N/A 130 Regulation Cost Distribution Amount N/A N/A 131 Day Ahead Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Amount N/A N/A 134 Day Ahead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Spinning Reserve Amount N/A N/A	
124 555.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 125 Total SPP Wholesale Market Charges 126 Total SPP Wholesale Market Charges 127 MISO ASM 128 Day Ahead Regulation Amount N/A 129 Real Time Regulation Amount N/A 130 Regulation Cest Distribution Amount N/A 131 Day Ahead Short-Term Reserve Amount N/A 132 Real Time Short-Term Reserve Amount N/A 133 Short-Term Reserve Cost Distribution Amount N/A 134 Day Ahead Spining Reserve Amount N/A 135 Real Time Spining Reserve Amount N/A 136 Spinning Reserve Amount N/A 137 Day Ahead Suprimer Manount N/A 136 Spinning Reserve Amount N/A 137 Day Ahead Supplemental Reserve Amount N/A 138 Real Time Spinning Reserve Amount N/A 136 Spinning Reserve Amount N/A 137 Day Ahead Supplemental Reserve Amount N/A 138 Real Time Spinning Reserve Amount N/A	
125 Total SPP Wholesale Market Charges 126 Intervention 127 MISO ASM 128 Day Ahead Regulation Amount 129 Real Time Regulation Amount 129 Real Time Regulation Amount 130 Regulation Cost Distribution Amount 131 Day Ahead Short-Term Reserve Amount 132 Real Time Short-Term Reserve Amount 133 Short-Term Reserve Amount 134 Day Ahead Spinning Reserve Amount 135 Real Time Spinning Reserve Amount 136 Spinning Reserve Amount 137 Day Ahead Supplemental Reserve Amount 138 Real Time Spinning Reserve Amount 139 Real Time Spinning Reserve Amount 131 Day Ahead Spinning Reserve Amount 132 Real Time Spinning Reserve Amount 133 Real Time Spinning Reserve Amount 134 Day Ahead Supplemental Reserve Amount 135 Real Time Spinning Reserve Amount 136 Spinning Reserve Amount 137 Day Ahead Supplemental Reserve Amount 138 Real Time Supplemental Reserve Amount	
Total SPP Wholesale Market Charges Image: Constraint of the serve Annount 126 Image: Constraint of the serve Annount N/A 127 MISO ASM Image: Constraint of the serve Annount 128 Day Ahead Regulation Amount N/A 129 Real Time Regulation Amount N/A 130 Regulation Cost Distribution Amount N/A 131 Day Ahead Short-Term Reserve Amount N/A 132 Real Time Short-Term Reserve Amount N/A 133 Short-Term Reserve Amount N/A 134 Day Ahead Spinning Reserve Amount N/A 135 Real Time Spinning Reserve Amount N/A 136 Spinning Reserve Amount N/A 137 Day Ahead Supplemental Reserve Amount N/A 138 Real Time Spinning Reserve Amount N/A	
126 MISO ASM 127 MISO ASM N/A 128 Day Ahead Regulation Amount N/A 129 Real Time Regulation Amount N/A 130 Regulation Cost Distribution Amount N/A 131 Day Ahead Short-Term Reserve Amount N/A 132 Real Time Short-Term Reserve Amount N/A 133 Short-Term Reserve Amount N/A 134 Day Ahead Spinning Reserve Amount N/A 135 Real Time Spinning Reserve Amount N/A 136 Spinning Reserve Amount N/A 137 Day Ahead Supplemental Reserve Amount N/A 138 Real Time Spinning Reserve Amount N/A 137 Day Ahead Supplemental Reserve Amount N/A 138 Real Time Spinning Reserve Amount N/A 136 Spinning Reserve Amount N/A 137 Day Ahead Supplemental Reserve Amount N/A 138 Real Time Spinning Reserve Amount N/A	
127 MISO ASM N/A 128 Day Ahead Regulation Amount N/A N/A 129 Real Time Regulation Amount N/A N/A 130 Regulation Cost Distribution Amount N/A N/A 130 Day Ahead Short-Term Reserve Amount N/A N/A 131 Day Ahead Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Cast Distribution Amount N/A N/A 134 Day Ahead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A	
128 Day Ahead Regulation Amount N/A N/A 129 Real Time Regulation Amount N/A N/A 130 Regulation Cast Distribution Amount N/A N/A 131 Day Ahead Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Cost Distribution Amount N/A N/A 134 Day Ahead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Cost Distribution Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
129 Real Time Regulation Amount N/A N/A 130 Regulation Cast Distribution Amount N/A N/A 131 Day Ahead Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Cast Distribution Amount N/A N/A 134 Day Ahead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 137 Day Ahead Spinning Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
130 Regulation Cost Distribution Amount N/A N/A 131 Day Ahead Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Amount N/A N/A 134 Day Ahead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
131 Day Ahead Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Cost Distribution Amount N/A N/A 134 Day Ahead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Cast Distribution Amount N/A N/A 134 Day Ahead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
133 Short-Term Reserve Cost Distribution Amount N/A N/A 134 Day Ahead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Cost Distribution Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
134 Day Ahead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Cost Distribution Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Cost Distribution Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
136 Spinning Reserve Cost Distribution Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A	
138 Real Time Supplemental Reserve Amount N/A N/A	
120 Supplemental Deserve Cost Distribution Amount N/A N/A	
139 Supplemental Reserve Cost Distribution Amount N/A N/A	
140 Contingency Reserve Deployment Failure Charge Amount N/A N/A N/A	
141 Real Time Excessive Deficient Energy Deployment Charge Amoun N/A N/A N/A	
142 Short-Term Reserve Deployment Failure Charge Amount N/A N/A	
143 Net Regulation Adjustment Amount N/A N/A	
144 Total MISO ASM	
146 Total Wholesale Market Charges	
147 I I I I I I I I I I I I I I I I I I I	
140 Purchased Power	
150 [PROTECTED DATA BEGINS	
151 Edgeley PPA	
152 Langdon PPA	
153 Ashtabula III PPA	
154 Tribal (WAPA) Not Applicable to EAR - Excluded fro	om Total
155 WAPA Energy Imbalance	
156 Shared Loads	
157 Small Co-gen	
158 Bilateral purchases	
159 Market Purchases MISO and SPP Energy Only	
160PROTECTED DATA ENDS	
161 Total Purchases 178,979 136,012 Tribal (WAPA) excluded from Total	
102 Wind Curtailment 246 (4,255)	
164 (4,233)	
10-4 Asset Based Sales 14.472 40.053 Credit to MN FCA Calculation - Subi	tracted from Total
	re not separated - Need to compare total Asset
166 Fuel Costs Based Sales	
	re not separated - Need to compare total Asset
167 Asset Based Margins Based Sales	
168	
169 Steam Plant Reagents - Effective July 2022 - Docket No. E0"	17/GR-20-719
170	17/GR-20-719
170 1 171 Steam/Water Sales Effective July 2022 - Docket No. E0'	
171 Steam/Water Sales - Effective July 2022 - Docket No. E01 172 - - - -	
171 Steam/Water Sales Effective July 2022 - Docket No. E01	
171 Stean/Water Sales - Effective July 2022 - Docket No. E0' 172	Asset Based Sales subtracted from Total

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04 Total OTP-Owned Total Purchases - Tribal Excluded (Asset Based Sales) Att8 Rate CalculationMN OTP Initial Filing 2021-05-05 Wind Curtailment



PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 47 of 78

1			August 2022 Fo	recast to Actual -	\$ ner MW	h
			August 2022	August 2022	• po:	
			Forecast	Actual		Notes
Line 1	Plant Ger	neration Big Stone	[PROTECTED DAT	A BEGINS		<u> </u>
2		Coyote	_	-		
3 4		Hoot Lake #2 Hoot Lake #3	-	-		Hoot Lake plant closed in May 2021
5				PROTECTED DAT	A ENDS	
6		Total Coal	\$ 24.42 [PROTECTED DAT/			
8		Langdon Wind				
9 10		Ashtabula Wind Luverne Wind	_	-		
11		Merricourt		-		
12				PROTECTED DAT	A ENDS]	
13 14		Total Wind	\$-	ş -		
15		Total Hydro		ş -		
16 17		Jamestown 1	PROTECTED DAT	A BEGINS		
18		Jamestown 2	_	_		
19 20		Lake Preston		PROTECTED DAT		
20		Total Oil - Peaking Units	\$-	\$ ·	A ENDS	
22			[PROTECTED DAT	A BEGINS		
23 24		Natural gas - Solway Natural gas - Astoria		-		
25				PROTECTED DAT	A ENDS]	
26 27		Total Natural Gas	\$ 22.76 [PROTECTED DATA	\$ 91.71 A BEGINS		
28		Solar - Blue Jay	-			
29 30		Solar - Blue Heron		PROTECTED DAT	A ENDS1	
31		Total Solar	\$ -	\$ -		
32 33		Total OTP-Owned	\$ 47.18	\$ 113.37		
34			ψ 41.18	y 113.3/		
35	Wholesal	e Market Charges MISO Wholesale Market Charges				
36 37	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
38	555.04	DA FBT Loss Amount	N/A	N/A		
		DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
41	555.24	RT Distribution of Losses Amount	N/A	N/A		
42 43	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
44		RT Loss Amount	N/A	N/A		
		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
		DA Losses Repate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53		DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55		RT Congestion	N/A N/A	N/A N/A		
	555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
58	555.17	FTR Yearly Allocation Amount	N/A	N/A		
		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
61	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
		FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
	555.07 555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
72 73		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
	555.31 555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
77	555.63	DA Ramp Product	N/A	N/A		
78	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
	555.65 555.55	RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
81	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
82 83	555.05 555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
84	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A N/A	N/A N/A		
87			IN/A	IN/A		
88		Total MISO Wholesale Market Charges				
89 90		SPP Wholesale Market Charges			L	
91		DA Asset Energy Amount***	N/A	N/A		
92 93	555.03 555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
94	555	RT Non-Asset Energy Amount	N/A	N/A		
	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98 99	555.15 555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
100	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
101	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
102 103		DA Supplemental Reserve Distribution Amount RT Contingency Reserve Deployment Failure Amount	N/A N/A	N/A N/A		
104	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
105 106		RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
108	555.16	RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
	555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A	N/A N/A		
111	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
112 113		Miscellaneous Amount ARR Closeout Yearly Amount	N/A N/A	N/A N/A		
114	555.28	RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29	RT Schedule 1A3 Amount	N/A	N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 48 of 78

440	FFF 00	DT Only shale 4A4 Ann sund				
		RT Schedule 1A4 Amount	N/A N/A	N/A		New shares has be 0000
		DA Ramp Up Distribution Amount DA Ramp Down Distribution Amount		N/A		New charge type in 2022
			N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
22	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
24	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
28		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
30		Regulation Cost Distribution Amount	N/A	N/A		
31		Day Ahead Short-Term Reserve Amount	N/A	N/A		
32		Real Time Short-Term Reserve Amount	N/A	N/A		
33		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
34		Day Ahead Spinning Reserve Amount	N/A	N/A		
35		Real Time Spinning Reserve Amount	N/A	N/A		
36		Spinning Reserve Cost Distribution Amount	N/A	N/A		
37		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
42		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
43		Net Regulation Adjustment Amount	N/A	N/A		
			N/A	N/A		
44		Total MISO ASM				
145						
		Total Wholesale Market Charges				
		Total Wholesale Market Charges				
146 147						
147 148						
147 148	Purchase					
147 148	Purchase		[PROTECTED DAT	A BEGINS		
147 148 149	Purchase		[PROTECTED DAT	A BEGINS		
147 148 149 150	Purchase	d Power	[PROTECTED DAT.	A BEGINS		
147 148 149 150 151 152	Purchase	d Power Edgeley PPA Langdon PPA	[PROTECTED DAT.	A BEGINS		
147 148 149 150 151 152 153	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DAT. - -	A BEGINS		Not Applicable to FAR - Excluded from Total
147 148 149 150 151 152 153 154	Purchase	d Power Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	[PROTECTED DAT. - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT. - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
47 48 49 50 51 52 53 54 55 56	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DAT, - - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156 157	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads	[PROTECTED DAT, - - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
47 48 49 50 51 52 53 54 55 55 56 57 58	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smared Loads Smared Loads Small Co-gen Bilateral purchases	IPROTECTED DAT,	A BEGINS		
147 148 149 150 151 152 153 154 155 156 157 158 159	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads	- - - - - - - -			Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases	- - - - - - - - -	PROTECTED DAT	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smared Loads Smared Loads Small Co-gen Bilateral purchases	- - - - - - - -	PROTECTED DAT	[4]	
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases	- - - - - - \$ 25.86	PROTECTED DAT \$ 41.03	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases	- - - - - - - - -	PROTECTED DAT \$ 41.03	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases	- - - - - - \$ 25.86	PROTECTED DAT \$ 41.03	TA ENDS]	MISO and SPP Energy Only
47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases Total Purchases	\$ 25.86 \$ 33.02	PROTECTED DAT \$ 41.03 \$ 33.21	A ENDS]	MISO and SPP Energy Only
47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases	- - - - - - \$ 25.86	PROTECTED DA1 \$ 41.03 \$ 33.21	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
47 48 49 50 51 52 53 54 55 56 57 55 56 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases tailment sed Sales	\$ 25.86 \$ 33.02 \$ 35.51	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59	A ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
47 48 49 50 51 52 53 54 55 56 57 55 56 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases Total Purchases	\$ 25.86 \$ 33.02	PROTECTED DAT \$ 41.03 \$ 33.21	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 56 57 58 59 60 61 62 63 64 65 66 66	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 25.86 \$ 33.02 \$ 35.51 N/A	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
47 48 49 50 51 52 53 55 55 55 55 55 55 56 57 58 59 60 61 62 63 64 65 66 66 67	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases tailment sed Sales	\$ 25.86 \$ 33.02 \$ 35.51	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 55 55 55 55 60 61 62 63 64 65 66 66 67 68	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Ialiment sed Sales Fuel Costs Asset Based Margins	\$ 25.66 \$ 33.02 \$ 35.51 N/A N/A	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 448 49 50 55 55 55 55 55 55 55 55 55 55 55 55	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 25.86 \$ 33.02 \$ 35.51 N/A	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
47 448 49 50 55 55 55 55 55 55 55 55 55 55 55 55	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 25.86 \$ 33.02 \$ 35.51 N/A N/A	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 66 66 67 68 69 70	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Ialiment sed Sales Fuel Costs Asset Based Margins	\$ 25.66 \$ 33.02 \$ 35.51 N/A N/A	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 50 51 52 53 55 55 55 55 55 55 55 60 60 61 62 63 64 65 66 66 67 67 70 77	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 25.86 \$ 33.02 \$ 35.51 N/A N/A	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 550 551 552 553 555 556 557 558 60 61 662 663 664 665 666 665 667 668 669 6770 770	Wind Cur Asset Ba Steam Pl Steam/W	d Power Edgeley PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases taliment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 25.86 \$ 33.02 \$ 35.51 N/A N/A N/A	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 550 551 552 553 554 555 556 60 661 662 663 664 665 664 665 664 665 669 770 771 772 773	Wind Cur Asset Ba Steam Pl Steam/W	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 25.86 \$ 33.02 \$ 35.51 N/A N/A	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Effective July 2022 - Docket No. E017/GR-20-719
147 148 149 150 151 152 153 154 155 155 155 155 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 177	Wind Cur Asset Ba Steam Pl Steam/W Planning	d Power Edgeley PPA Langdon PPA Ashtabda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases taliment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 25.86 \$ 33.02 \$ 35.51 N/A N/A N/A	PROTECTED DA1 \$ 41.03 \$ 33.21 \$ 67.59 N/A N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 49 of 78

			Septemb	er 2022 Forecast	to Actual - Expen	ise (Revenue)	
			September 2022	September 2022			
Line	Plant Gen	neration	Forecast [PROTECTED DAT/	Actual A BEGINS			Notes
1		Big Stone				•	
2		Coyote Hoot Lake #2					Hoot Lake plant closed in May 2021
4		Hoot Lake #3			PROTECT	ED DATA ENDS]	
6		Total Coal	\$ 2,397,283	\$ 4,782,387			
7		Langdon Wind	PROTECTED DAT	A BEGINS			
9		Ashtabula Wind	_				
10		Luverne Wind Merricourt	-				
12						ED DATA ENDS]	
13 14		Total Wind	\$-	\$ -	\$ -	0	
15		Total Hydro		\$-	\$-	0	
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS	I		
18		Jamestown 2	-				
19 20		Lake Preston			PROTECT	ED DATA ENDS	
21 22		Total Oil - Peaking Units	\$ - [PROTECTED DAT/	\$ 95,268	\$ 95,268	0	
23		Natural gas - Solway		A BEGING	ļ		
24 25		Natural gas - Astoria			PROTECT	ED DATA ENDS	
26		Total Natural Gas	\$ 229,142			911.63%	
27 28		Solar - Blue Jay	[PROTECTED DAT	A BEGINS			
29		Solar - Blue Heron	-		DDCT-C-		
30 31		Total Solar	\$-	\$ -	PROTECT \$ -	ED DATA ENDS] 0	
32			¢ 0.000.10-	¢ 7405 700	¢ 4 500 00-	470 07**	
33 34		Total OTP-Owned	\$ 2,626,425	\$ 7,195,730	\$ 4,569,305	173.97%	
35 36	Wholesal	e Market Charges MISO Wholesale Market Charges					
37	555.02	DA Asset Energy Amount***	\$ -	\$ -	ş -	0	Energy Amounts - included/embedded within Market Purchases
38 39	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	s -		\$ - \$ -	0	Energy Amounts - included/embedded within Market Purchases
40	555.19	RT Asset Energy Amount***	\$ -	\$ -	\$-	0	Energy Amounts - included/embedded within Market Purchases
41 42		RT Distribution of Losses Amount RT FBT Loss Amount	\$ (110,826) \$ -	\$ (538,909) \$ -	\$ (428,083) \$ -	386.27% 0	
43		DA Loss Amount RT Loss Amount	\$ 301,554 \$ 13,638	\$ 1,610,093	\$ 1,308,539	433.93% -151.43%	
45	555.26	RT Non-Asset Energy Amount***	\$-	\$ -	\$ -	0	Energy Amounts - included/embedded within Market Purchases
46 47	555.08	DA Losses Rebate on Option B GFA	\$ - \$ -		s - s -	0	
48	555.32	DA Virtual Energy Amount RT Virtual Energy Amount	\$-	\$ -	ş -	0	
49 50		DA Mkt Admin Amount RT Mkt Admin Amount	\$ 44,793 \$ 6,854	\$ 67,408 \$ 8,507			Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13	FTR Mkt Admin Amount	\$ 2,448	\$ 2,392	\$ (56)	-2.28%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53		DA FBT Congestion Amount DA Congestion	\$ - \$ 170,607	\$ - \$ 2,378,553		0 1294.17%	
54 55	555.20	RT FBT Congestion Amount RT Congestion	\$ - \$ 18,080	\$ - \$ 581,452	ş -	03115.98%	
56	555.14	FTR Hourly Allocation Amount	\$ (302,049)	\$ (3,209,379)	\$ (2,907,330)	962.54%	
57 58		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (17,038)	\$ (5,339)	\$ 11,699 \$ -	-68.66%	
59	555.35	FTR Monthly Transaction Amount	\$ (12,578)	\$ -	\$ 12,578	-100.00%	
60 61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ (6,266) \$ 6,008	\$ (3,115) \$ 3,115		-50.29% -48.15%	
62	555.39	FTR Auction Revenue Rights Transaction Amount	\$ (323,729)	\$ (7,519,744)	\$ (7,196,015)	2222.85%	
63 64	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	\$ 319,942 \$ 3,886	\$ 7,517,112 \$ 24,119		2249.53% 520.62%	
65 66		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	\$ (28,880) \$ -	\$ (70,151) \$ -		142.91%	
67	555.10	DA Revenue Sufficiency Guarantee Distribution Amount	\$ 8,674	\$ 18,438	\$ 9,763	112.56%	
68 69		DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ (4,160) \$ 19,075	\$ (20,741) \$ 52,021		398.60% 172.72%	
70	555.30	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ (7,792)	\$ -	\$ 7,792	-100.00%	
71 72		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	\$ (15,936) \$ 47,497	\$ (56,755) \$ 66,374		256.14% 39.74%	
73 74	555.25	RT Misc Amount RT Net Inadvertent Amount	\$ 12,002	\$ 289 \$ 7,704	\$ (11,714)	-97.59% 811.42%	
75	555.31	RT Uninstructed Deviation Amount	\$ 845 \$ -	\$-	ş -	0	
76	555.59	RT Demand Response Allocation Uplift Amount DA Ramp Product	\$ 9,256 \$ (613)	\$ 6,193 \$ (3,120)		-33.10% 409.08%	
78	555.64	RT Ramp Product	\$ 101	\$ (2,558)	\$ (2,660)	-2621.81%	
79 80	555.65 555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ 10,804 \$ -	\$ 13,889 \$ -	\$ 3,085 \$ -	28.56%	Energy Amounts - included/embedded within Market Purchases
81	555.56	RT ASM Excessive Energy Amount***	- ·		\$ -	0	Energy Amounts - included/embedded within Market Purchases
82 83		DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$- \$-		\$ - \$ -	0	
84 85	555.22	RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$ - \$ -	\$ -	\$ - \$ -	0	
86		Net Congestion and Losses Adjustment & No DA Generation Schedu		\$ - \$ (118,841)		0	
87 88	├	Total MISO Wholesale Market Charges	\$ 112,105	\$ 723,687	\$ 611,582	545.54%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89				0,007		_ 10.0-770	
90 91	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	\$ -		\$ -	0	Energy Amounts - included/embedded within Market Purchases
92 93		DA Non-asset Energy Amount RT Asset Energy Amount***	\$ - \$	\$ -	\$ - \$ -	0	Enormy Amounteincluded/embedded within Market Purchases
94	555.00	RT Non-Asset Energy Amount	\$ -		ş -	0	
95 96	555.02	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	\$ - \$ 235	\$ - \$ 23,485	\$ - \$ 23,251	0 9901.79%	
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$-	\$ -	\$ -	0	
98 99	555.15 555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	\$ 22 \$ 15	\$ 4,492 \$ 281		20222.48% 1745.24%	
100	555.05	DA Regulation-Up Distribution Amount	\$ 27	\$ 1,139	\$ 1,112	4083.15%	
101 102	555.07	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	\$ 29 \$ 4	\$ 208	\$ 205	4446.97% 5832.51%	
103 104	555.08	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	\$ (0) \$ (7,123)	\$ (45)	\$ (45)	134930.00% 282.21%	
105	555.12	RT Regulation-Down Distribution Amount	\$ (0)	\$ 45	\$ 46	-9564.47%	
106 107	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$ (0) \$ (1)	\$ (37)	\$ (36)	11578.09% 9750.23%	
108	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ (12)	\$ (12)	27678.22%	
109 110		RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (0) \$ (62,155)			1234423.08% 246.61%	
111	555.21	RT Pseudo Tie Loss Amount	\$ (16,191)	\$ (54,990)	\$ (38,799)	239.64%	
112 113	555.26		\$ (5) \$ -	\$-	ş -	2393.38%	
114	555.28	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	\$ (0) \$ 3		\$ 2	-33045.45% 3772.78%	
115	333.29	KT Generale TAS Allount	ψ 3	ψ 135	ιψ 13Z	3112.18%	1

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 50 of 78

116										
		RT Schedule 1A4 Amount	\$		\$	663		644	3530.58%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	676	\$	676	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
	555.33	RT Ramp Non Performance Distribution Amount	\$	-	Ş	(9)		(9)		New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	(51)	\$	(51)	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	530	S	516	3764.41%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	(0)	S	(0)	\$	(0)	1.59%	
124	555.27		\$	(12)	\$		\$	12	-100.73%	
125			\$ (12	3,325)		(265.070)		(141.744)	114.94%	
126			• • •	,,	Ť	(200)0007	1 Ť	(,		
127		MISO ASM								
128		Day Ahead Regulation Amount	\$ (6	3,982)	\$	(32,997)	\$	30,985	-48.43%	
129		Real Time Regulation Amount).388		(13,217)		(23,605)	-227.24%	
130		Regulation Cost Distribution Amount		,162		19,699		8,537	76.48%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(20,178)		(20,178)	0.1070	
132		Real Time Short-Term Reserve Amount	¢	-	\$	(605)		(605)	0	
132		Short-Term Reserve Cost Distribution Amount	\$ \$	-	\$	5,520		5.520	0	
133		Day Ahead Spinning Reserve Amount		.210)		(26,773)		(16,563)	162.22%	
134		Real Time Spinning Reserve Amount		2,194		(19,632)		(21,826)	-994.90%	
135		Spinning Reserve Amount		7.095		10.258		(21,826) 3,164	-994.90%	
136		Day Ahead Supplemental Reserve Amount		5,178)		(13,249)		(8,071)	44.59%	
137				2,052					-312.19%	
		Real Time Supplemental Reserve Amount				(4,355)		(6,407)		
139		Supplemental Reserve Cost Distribution Amount		,462	\$	3,586		2,124	145.30%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
141				2,572	\$	3,646		1,074	41.75%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount		,676	\$	994		(682)	-40.71%	
144		Total MISO ASM	\$ (4),770)	\$	(87,304)	\$	(46,534)	114.14%	
145										
146		Total Wholesale Market Charges	\$ (1	3,786)	\$	371,313	\$	385,098	-2793.49%	
147										
148										
148 149	Purchase									
148 149 150	Purchase			DAT	A BE					
148 149 150 151	Purchase	Edgeley PPA		DAT	A BEO					
148 149 150 151 152	Purchase	Edgeley PPA Langdon PPA		DAT	A BE					
148 149 150 151 152 153	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA		DAT	A BEO					
148 149 150 151 152 153 154	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)		DAT	A BE					Not Applicable to EAR - Excluded from Total
148 149 150 151 152 153 154 155	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance		DAT.	A BEO					Not Applicable to EAR - Excluded from Total
148 149 150 151 152 153 154 155 156	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads		DAT	A BEO					Not Applicable to EAR - Excluded from Total
148 149 150 151 152 153 154 155 156 157	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen		DAT	A BE					Not Applicable to EAR - Excluded from Total
148 149 150 151 152 153 154 155 156 157 158	Purchase	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases		DAT	A BEO					
148 149 150 151 152 153 154 155 156 157 158 159	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen		DAT	ABE					Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 160	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	IPROTECTE - - - - - -		1	GINS			ED DATA ENDS]	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159	Purchase	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	IPROTECTE - - - - - -) DAT	1		\$	PROTECTI 1,626,619	ED DATA ENDS]	
148 149 150 151 152 153 154 155 156 157 158 159 160	Purchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	IPROTECTE - - - - - -		1	GINS	\$		ED DATA ENDS]	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 160 161	Purchase	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	[PROTECTE - - - - - - - - - - - - - - - - - - -		\$	GINS			ED DATA ENDS]	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 160 161		Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	[PROTECTE - - - - - - - - - - - - - - - - - - -),910	\$	GINS 6,337,529		1,626,619	ED DATA ENDSJ 34.53%	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	[PROTECTE),910	\$	GINS 6,337,529	\$	1,626,619	ED DATA ENDSJ 34.53% -157.59%	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	[PROTECTE] 	0,910 5,442	\$	GINS 6,337,529 (3,710)	\$ \$	1,626,619 (10,152)	ED DATA ENDSJ 34.53% -157.59%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales	[PROTECTEI 	0,910 5,442 5,320	\$ \$ \$	GINS 6,337,529 (3,710) 2,301,151	\$ \$	1,626,619 (10,152) 2,094,831	ED DATA ENDS] 34.53% -157.59% 1015.33%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases trailment esed Sales Fuel Costs	[PROTECTEI 	0,910 5,442 5,320 4,028	\$ \$ \$	GINS 6,337,529 (3,710) 2,301,151 2,030,561	\$ \$	1,626,619 (10,152) 2,094,831 1,886,533	ED DATA ENDSJ 34.53% -157.59% 1015.33%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
$\begin{array}{r} 148 \\ 149 \\ 150 \\ 151 \\ 152 \\ 153 \\ 154 \\ 155 \\ 156 \\ 157 \\ 158 \\ 159 \\ 160 \\ 161 \\ 162 \\ 163 \\ 164 \\ 165 \\ 166 \\ 167 \\ 168 \end{array}$	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases tailment Esed Sales Fuel Costs Asset Based Margins	[PROTECTEI 	0,910 5,442 5,320 4,028	\$ \$ \$ \$ \$ \$	GINS 6,337,529 (3,710) 2,301,151 2,030,561 270,590	\$ \$\$ \$\$	1,626,619 (10,152) 2,094,831 1,886,533 208,298	ED DATA ENDS] 34.53% -157.59% 1015.33% 1309.84% 334.39%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
$\begin{array}{r} 148 \\ 149 \\ 150 \\ 151 \\ 152 \\ 153 \\ 154 \\ 155 \\ 156 \\ 157 \\ 158 \\ 159 \\ 160 \\ 161 \\ 162 \\ 163 \\ 164 \\ 165 \\ 166 \\ 167 \\ 168 \end{array}$	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases trailment esed Sales Fuel Costs	[PROTECTE] 	0,910 6,442 6,320 1 ,028 2 ,292	\$ \$ \$	GINS 6,337,529 (3,710) 2,301,151 2,030,561	\$ \$\$ \$\$	1,626,619 (10,152) 2,094,831 1,886,533	ED DATA ENDS] 34.53% -157.59% 1015.33% 1309.84% 334.39%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
$\begin{array}{r} 148\\ 149\\ 150\\ 151\\ 152\\ 153\\ 154\\ 155\\ 156\\ 157\\ 158\\ 159\\ 160\\ 161\\ 162\\ 163\\ 164\\ 165\\ 166\\ 167\\ 168\\ 166\\ 167\\ 168\\ 169\\ 170\\ 170\\ 170\\ \end{array}$	Wind Cur Asset Ba Steam Pl	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases ased Sales Fuel Costs Asset Based Margins ant Reagents	IPROTECTEI 	0,910 5,442 5,320 5,292 -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	GINS 6,337,529 (3,710) 2,301,151 2,70,590 324,709	\$ \$ \$ \$	1,626,619 (10,152) 2,094,831 1.886,533 208,298 324,709	ED DATA ENDS] 34.53% -157.59% 1015.33% 1309.64% 334.39% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
$\begin{array}{r} 148\\ 149\\ 150\\ 151\\ 151\\ 152\\ 153\\ 154\\ 155\\ 156\\ 157\\ 158\\ 159\\ 161\\ 162\\ 163\\ 164\\ 165\\ 166\\ 167\\ 168\\ 169\\ 171\\ \end{array}$	Wind Cur Asset Ba Steam Pl	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases tailment Esed Sales Fuel Costs Asset Based Margins	[PROTECTE] 	0,910 6,442 6,320 1 ,028 2 ,292	\$ \$ \$ \$ \$ \$	GINS 6,337,529 (3,710) 2,301,151 2,030,561 270,590	\$ \$ \$ \$	1,626,619 (10,152) 2,094,831 1,886,533 208,298	ED DATA ENDS] 34.53% -157.59% 1015.33% 1309.64% 334.39% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
$\begin{array}{r} 148\\ 149\\ 150\\ 151\\ 151\\ 152\\ 153\\ 154\\ 155\\ 156\\ 156\\ 158\\ 159\\ 160\\ 161\\ 162\\ 163\\ 164\\ 165\\ 166\\ 166\\ 166\\ 166\\ 169\\ 170\\ 170\\ 171\\ 172 \end{array}$	Wind Cur Asset Ba Steam PI Steam/W	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Failment sed Sales Fuel Costs Asset Based Margins ant Reagents Tater Sales	[PROTECTE] 	0,910 5,442 5,320 4 ,028 2 ,292	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	GINS 6,337,529 (3,710) 2,301,151 270,590 324,709 (135,976)	\$ \$ % % \$	1,626,619 (10,152) 2,094,831 1,886,533 208,298 324,709 (135,976)	ED DATA ENDS] 34.53% -157.59% 1015.33% 1309.84% 334.39% 0 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
$\begin{array}{r} 148\\ 149\\ 150\\ 151\\ 152\\ 153\\ 154\\ 155\\ 156\\ 157\\ 158\\ 157\\ 158\\ 160\\ 161\\ 162\\ 163\\ 164\\ 165\\ 166\\ 167\\ 168\\ 168\\ 169\\ 170\\ 171\\ 172\\ 173\\ 173\\ \end{array}$	Wind Cur Asset Ba Steam PI Steam/W	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Total Purchases ased Sales Fuel Costs Asset Based Margins ant Reagents	IPROTECTEI 	0,910 5,442 5,320 5,292 -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	GINS 6,337,529 (3,710) 2,301,151 2,70,590 324,709	\$ \$ % % \$	1,626,619 (10,152) 2,094,831 1.886,533 208,298 324,709	ED DATA ENDS] 34.53% -157.59% 1015.33% 1309.84% 334.39% 0 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
$\begin{array}{r} 148\\ 149\\ 150\\ 150\\ 150\\ 153\\ 153\\ 153\\ 154\\ 155\\ 156\\ 157\\ 158\\ 159\\ 160\\ 161\\ 162\\ 163\\ 166\\ 165\\ 166\\ 166\\ 166\\ 166\\ 166\\ 169\\ 171\\ 172\\ 173\\ 174\\ 174\end{array}$	Wind Cur Asset Ba Steam/W Planning	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases Failment sed Sales Fuel Costs Asset Based Margins ant Reagents Tater Sales	[PROTECTE] 	3,910 5,442 5,320 - - -	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	GINS 6,337,529 (3,710) 2,301,151 270,590 324,709 (135,976)	\$ \$ \$ \$ \$ \$ \$ \$	1,626,619 (10,152) 2,094,831 1,886,533 208,298 324,709 (135,976)	ED DATA ENDS] 34.53% -157.59% 1015.33% 1309.84% 334.39% 0 0 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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

Att2 Rate CalculationMN OTP Initial Filing 2021-05-03

\$7,123,672.21

			September 202	2 Forecast to Act	ual - I	MWh
			September 2022			
1.1%	Dia:::1 C	aration	Forecast	Actual	L	Notes
Line 1	Plant Ger	Big Stone	[PROTECTED DAT	A BEGINS	-	
2		Coyote	_			
3		Hoot Lake #2 Hoot Lake #3	-			Hoot Lake plant closed in May 2021
5				TECTED DATA E		
6 7		Total Coal	86,237 [PROTECTED DAT			
8		Langdon Wind	-			
9 10		Ashtabula Wind Luverne Wind	_	-		
10		Merricourt	_			
12 13		Total Wind	PRO 91,592	TECTED DATA E 82,730		
13			91,392	82,730		
15		Total Hydro	1,644 [PROTECTED DAT	1,249		
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18 19		Jamestown 2 Lake Preston	_			
20		Lake Plesion	PRO	TECTED DATA E	NDS]	
21 22		Total Oil - Peaking Units	- [PROTECTED DAT	262		
23		Natural gas - Solway		A DEGINO		
24 25		Natural gas - Astoria	PRO	TECTED DATA E	NDS1	
26		Total Natural Gas	8,346	25,618		
27 28		Solar - Blue Jay	[PROTECTED DAT	A BEGINS		
29		Solar - Blue Heron		•		
30 31		Total Solar	PRO	TECTED DATA E	NDS]	
32						
33		Total OTP-Owned	187,819	305,207		
34 35		e Market Charges				
36 37		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	<u> </u>	
38	555.04	DA FBT Loss Amount	N/A	N/A	L	
39 40	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
40	555.24	RT Distribution of Losses Amount	N/A	N/A		
42	555.21	RT FBT Loss Amount	N/A	N/A	[
43 44		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A	F	
45	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
46 47	555.08 555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53		DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55 56		RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
57	555.15	FTR Monthly Allocation Amount	N/A	N/A		
58 59		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
61 62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
63	555.38	FTR Annual Transaction Amount	N/A	N/A		
64 65	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
66	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
67 68	555.1 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amoun	N/A	N/A		
70		RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A	<u> </u>	<u> </u>
72	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
73 74		RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A	┣──	<u> </u>
75	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
76		RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A	<u> </u>	<u> </u>
78	555.64	RT Ramp Product	N/A	N/A		
79 80		RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A	<u> </u>	<u> </u>]
81	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
82 83	555.05 555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A	<u> </u>	<u> </u>
84	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A	<u> </u>	<u> </u>
87			IN/A	IN/A		
88 89		Total MISO Wholesale Market Charges			<u> </u>	
90		SPP Wholesale Market Charges				
91 92	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A	<u> </u>	
93	555.09	RT Asset Energy Amount***	N/A	N/A		
94 95		RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
96	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
100 101	555.05	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A N/A		
103 104	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A	E	
106	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107 108	555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A	L	
109	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
110 111	555.2 555.21	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A	-	
112	555.23	Miscellaneous Amount	N/A	N/A		
113 114		ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A	-	
		RT Schedule 1A3 Amount	N/A	N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 52 of 78

116						
110	555.30	RT Schedule 1A4 Amount	N/A	N/A		
117	555.31	DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
	555.34	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
	555.35	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
	555.27	DA GFA Carve Out Distribution Deployment Vientily Amount	N/A	N/A	-	
124	555.27	Total SPP Wholesale Market Charges	IN/A	19/75		
125		Total SFF Wholesale Warket Charges				
120		MISO ASM				
127			N/A	N/A		
		Day Ahead Regulation Amount				
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
134		Day Ahead Spinning Reserve Amount	N/A	N/A		
135		Real Time Spinning Reserve Amount	N/A	N/A		
136		Spinning Reserve Cost Distribution Amount	N/A	N/A		
137	1	Day Ahead Supplemental Reserve Amount	N/A	N/A	1	
138	1	Real Time Supplemental Reserve Amount	N/A	N/A	1	
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
140		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
141		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
142		Net Regulation Adjustment Amount	N/A	N/A		
			N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
	Purchase	ed Power				
150			[PROTECTED DAT	A BEGINS		
151		Edgeley PPA				
152		Langdon PPA				
153						
		Ashtabula III PPA				
154		Ashtabula III PPA Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
						Not Applicable to EAR - Excluded from Total
154		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
154 155		Tribal (WAPA) WAPA Energy Imbalance Shared Loads				Not Applicable to EAR - Excluded from Total
154 155 156 157		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen				Not Applicable to EAR - Excluded from Total
154 155 156 157 158		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases				
154 155 156 157 158 159		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen				Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
154 155 156 157 158 159 160		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases		TECTED DATA E	NDS]	MISO and SPP Energy Only
154 155 156 157 158 159 160 161		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases		TECTED DATA E	NDS]	
154 155 156 157 158 159 160 161 162	Wind C	Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	198,287	128,342	NDS]	MISO and SPP Energy Only
154 155 156 157 158 159 160 161 162 163	Wind Cur	Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases			NDS]	MISO and SPP Energy Only
154 155 156 157 158 159 160 161 162 163 164		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment	198,287 195	128,342 (107)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
154 155 156 157 158 159 160 161 162 163 164		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	198,287	128,342	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
154 155 156 157 158 159 160 161 162 163 164 165		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales	198,287 195	128,342 (107)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
154 155 156 157 158 159 160 161 162 163 164		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment	198,287 195	128,342 (107)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
154 155 156 157 158 159 160 161 162 163 164 165		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales	198,287 195	128,342 (107)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
154 155 156 157 158 159 160 161 162 163 164 165		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales	198,287 195	128,342 (107)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
154 155 156 157 158 159 160 161 162 163 164 165 166		Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs	198,287 195	128,342 (107)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Asset Ba	Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	198,287 195	128,342 (107)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169	Asset Ba	Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs	198,287 195 5,187	128,342 (107) 30,818	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
154 155 156 157 158 159 160 161 162 163 164 165 166 167 166 167 168 169 170	Asset Ba Steam Pl	Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	198,287 195 5,187	128,342 (107) 30,818	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl	Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	198,287 195 5,187	128,342 (107) 30,818	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
154 155 156 157 158 159 160 161 162 163 164 165 164 165 166 167 168 169 170 171 172	Asset Ba Steam Pl Steam/W	Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	198,287 195 5,187	128,342 (107) 30,818	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Euf Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
154 155 156 157 158 159 160 161 162 163 164 165 166 167 166 167 169 170 177 1772 173	Asset Ba Steam Pl Steam/W	Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	198,287 195 5,187	128,342 (107) 30,818	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 170 171 172 173 174	Asset Ba Steam Pl Steam/W Planning	Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	198,287 195 5,187	128,342 (107) 30,818	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Euf Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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



PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 53 of 78

1			September 2022	Forecast to Actua	l - \$ por M	Wb
			September 2022			wn
			Forecast	Actual		Notes
	Plant Ger		[PROTECTED DAT	A BEGINS		
1 2	L	Big Stone Coyote				
3		Hoot Lake #2	-	-		Hoot Lake plant closed in May 2021
4		Hoot Lake #3	-	-		
5		T-1-1-0		PROTECTED DAT	A ENDS	
6		Total Coal	\$ 27.80 [PROTECTED DAT/	\$ 24.48 A REGINS		
8		Langdon Wind	INCLOSED DAN	LOINO		
9		Ashtabula Wind	_	_		
10 11		Luverne Wind Merricourt	_	-		
12		Memcourt		PROTECTED DAT	A ENDSI	
13		Total Wind	\$-	\$ -		
14		Tatal Under	*	s -		
15 16		Total Hydro	PROTECTED DAT			
17		Jamestown 1	_	_		
18 19		Jamestown 2 Lake Preston	_	-		
20		Lake Preston		PROTECTED DAT	A ENDSI	
21		Total Oil - Peaking Units	\$ -	\$ ·		
22			[PROTECTED DAT	A BEGINS		
23 24		Natural gas - Solway Natural gas - Astoria	-	-		
25				PROTECTED DAT	A ENDS]	
26		Total Natural Gas	\$ 27.45	\$ 90.49		
27 28		Solar - Blue Jay	[PROTECTED DAT	A BEGINS		
29		Solar - Blue Heron		L		
30				PROTECTED DAT	A ENDS]	
31 32		Total Solar	\$-	\$-		
32	-	Total OTP-Owned	\$ 55.25	\$ 114.97	1	
34						
	Wholesal	e Market Charges				
36 37		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
38	555.04	DA FBT Loss Amount	N/A	N/A		
39	555.09	DA Non-asset Energy Amount***	N/A	N/A		
		RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
	555.21	RT FBT Loss Amount	N/A	N/A		
43		DA Loss Amount	N/A	N/A		
44 45		RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
	555.08	DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
47	555.12	DA Virtual Energy Amount	N/A	N/A		
		RT Virtual Energy Amount	N/A	N/A		
49 50		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52	555.03	DA FBT Congestion Amount	N/A	N/A		
53 54	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
55	555.Z	RT Congestion	N/A	N/A		
56	555.14	FTR Hourly Allocation Amount	N/A	N/A		
	555.15 555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
		FTR Monthly Transaction Amount	N/A	N/A		
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
61	555.37	FTR Guarantee Uplift Amount	N/A N/A	N/A		
		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A	N/A N/A		
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
		FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
	555.07 555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
68	555.11	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
		RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A N/A	N/A N/A		
72	555.28	RT Revenue Neutrality Uplift Amount	N/A	N/A		
73	555.25	RT Misc Amount	N/A	N/A		
		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
	555.59	RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A	1	
77	555.63	DA Ramp Product	N/A	N/A		
	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
	555.65 555.55	RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A		
81	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
82	555.05	DA Congestion Rebate on COGA	N/A	N/A		
83 84	555.06 555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
85		RT Loss Rebate on COGA	N/A	N/A		
86		Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
87 88		Total MISO Wholesale Market Charges				
89						
90	PPP 16	SPP Wholesale Market Charges				
		DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A		
93	555.09	RT Asset Energy Amount***	N/A	N/A N/A		
94	555	RT Non-Asset Energy Amount	N/A	N/A		
	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
		RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
98	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
		DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
	555.11 555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
		RT Regulation Non-Performance Distribution Amount	N/A	N/A		
107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
		RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
	555.2	RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		
111	555.21	RT Pseudo Tie Loss Amount	N/A	N/A		
112	555.23	ARR Closeout Yearly Amount	N/A	N/A		
	555.26 555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		
	555.29	RT Schedule 1A3 Amount	N/A	N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 54 of 78

		RT Schedule 1A4 Amount	N/A	N/A		New shares these is 0000
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
21	555.35	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
22	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
		DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125	000.27	Total SPP Wholesale Market Charges	10/1	1473		
125		Total SFF Wholesale Market Charges				
120		MISO ASM				
28		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
31		Day Ahead Short-Term Reserve Amount	N/A	N/A		
32		Real Time Short-Term Reserve Amount	N/A	N/A		
33		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
34		Day Ahead Spinning Reserve Amount	N/A	N/A		
35		Real Time Spinning Reserve Amount	N/A	N/A		
			N/A	N/A		
36		Spinning Reserve Cost Distribution Amount				
37		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
41		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
42		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
43		Total MISO ASM	IN/A	19/75		
44		TOTAL MISO ASM				
		Total Wholesale Market Charges				
146 147		Total Wholesale Market Charges				
147 148						
147 148	Purchase					
147 148	Purchase		[PROTECTED DAT	A BEGINS		
147 148 149	Purchase	d Power	[PROTECTED DAT.	A BEGINS		
147 148 149 150 151	Purchase	d Power Edgeley PPA	[PROTECTED DAT	A BEGINS		
147 148 149 150 151 152	Purchase	d Power Edgeley PPA Langdon PPA	[PROTECTED DAT.	A BEGINS		
147 148 149 150 151 152 153	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DAT.	A BEGINS		Le Anelleckie te CAD. Enduded form Tatel
147 148 149 150 151 152 153 154	Purchase	d Power Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	[PROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
147 148 149 150 151 152 153 154 155 156	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	IPROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
47 48 49 50 51 52 53 53 54 55 56 57	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads	[PROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total
47 48 49 50 51 52 53 54 55 56 57 58	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smared Loads Small Co-gen Bilateral purchases	[PROTECTED DAT.	A BEGINS		
147 148 149 150 151 152 153 154 155 156 157 158	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads	[PROTECTED DAT.	A BEGINS		Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smared Loads Small Co-gen Bilateral purchases			A ENDS1	
47 48 49 50 51 52 53 54 55 56 57 58 59 60	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases		PROTECTED DAT	TA ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smared Loads Small Co-gen Bilateral purchases			A ENDS]	
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Market Purchases Market Purchases Total Purchases	\$ 23.76	PROTECTED DAT \$ 49.38	TA ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163	Purchase	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Market Purchases Market Purchases Total Purchases		PROTECTED DAT \$ 49.38	TA ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases Tailment	\$ 23.76 \$ 33.02	PROTECTED DA1 \$ 49.38 \$ 34.57	A ENDS]	MISO and SPP Energy Only
147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 23.76	PROTECTED DAT \$ 49.38	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
47 48 49 50 51 52 53 54 55 55 55 55 55 55 55 55 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases tailment sed Sales	\$ 23.76 \$ 33.02 \$ 39.78	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
47 48 49 50 51 52 53 54 55 55 55 55 55 55 55 55 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases Total Purchases Tailment	\$ 23.76 \$ 33.02	PROTECTED DA1 \$ 49.38 \$ 34.57	A ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fibel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 49 50 51 52 53 54 55 55 56 57 55 56 60 61 62 63 64 65	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases tailment sed Sales	\$ 23.76 \$ 33.02 \$ 39.78	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fibel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 56 60 61 62 63 64 65 66 66	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 23.76 \$ 33.02 \$ 39.78 N/A	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
47 48 49 50 51 52 53 55 55 55 55 55 55 56 60 61 62 63 64 65 66 66 67	Wind Cur	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Market Purchases Market Purchases Total Purchases tailment sed Sales	\$ 23.76 \$ 33.02 \$ 39.78	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fibel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 48 49 50 51 52 53 55 55 55 55 55 55 55 60 61 62 63 64 65 66 66 67 68	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases tailment tailment tailment Fuel Costs Asset Based Margins	\$ 23.66 \$ 33.02 \$ 39.78 N/A N/A	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 448 49 50 55 55 55 55 55 55 55 55 55 55 55 55	Wind Cur Asset Ba	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases tailment sed Sales Fuel Costs	\$ 23.76 \$ 33.02 \$ 39.78 N/A	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse
47 448 50 55 55 55 55 55 55 55 55 55 55 60 60 61 62 63 64 65 65 66 66 66 66 66 66 66 66 66 66 66	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 23.76 \$ 33.02 \$ 39.78 N/A N/A	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719
47 448 50 551 552 553 554 555 555 556 557 558 559 60 66 66 66 66 66 66 66 66 66 66 67 66 69 770	Wind Cur Asset Ba Steam Pl	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases tailment tailment tailment Fuel Costs Asset Based Margins	\$ 23.66 \$ 33.02 \$ 39.78 N/A N/A	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
47 448 49 550 551 552 553 554 555 556 557 558 60 61 661 662 663 664 665 666 665 666 667 668 669 6770 770	Wind Cur Asset Ba Steam PI Steam/W	d Power Edgeloy PPA Langdon PPA Ashtabda II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases taliment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 23.76 \$ 33.02 \$ 39.78 N/A N/A N/A	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
47 448 49 550 551 552 553 554 555 556 557 558 60 61 661 662 663 664 665 666 665 666 667 668 669 6770 770	Wind Cur Asset Ba Steam PI Steam/W	d Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 23.76 \$ 33.02 \$ 39.78 N/A N/A	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719
147 148 149 150 151 155 155 155 155 155 157 158 159 160 161 162 163 164 165 166 166 166 167 170 177 177 3	Wind Cur Asset Ba Steam PI Steam/W	d Power Edgeloy PPA Langdon PPA Ashtabda II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases taliment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 23.76 \$ 33.02 \$ 39.78 N/A N/A N/A	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
147 148 149 150 151 151 153 153 154 155 156 157 158 159 160 161 161 162 163 164 165 166 167 170 177 177 173	Wind Cur Asset Ba Steam Pl Steam/W Planning	d Power Edgeloy PPA Langdon PPA Ashtabda II PPA Tribal (WAPA) WaPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases taliment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 23.76 \$ 33.02 \$ 39.78 N/A N/A N/A	PROTECTED DA1 \$ 49.38 \$ 34.57 \$ 74.67 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 55 of 78

			October	2022 Forecast to	Actual - Expens	e (Revenue)	
			October 2022	October 2022 Actual			Notes
Line	Plant Ger	neration	Forecast [PROTECTED DATA			ł	Notes
2		Big Stone Coyote	-				
3		Hoot Lake #2 Hoot Lake #3	-				Hoot Lake plant closed in May 2021
5						ED DATA ENDS	
6		Total Coal	\$ 1,838,708 [PROTECTED DATA		\$ 825,727	44.91%	
8		Langdon Wind Ashtabula Wind					
10		Luverne Wind					
11 12		Merricourt			PROTECT	ED DATA ENDS	
13 14		Total Wind	\$-	\$-	ş -	0	
15		Total Hydro	\$ -	\$ -	s -	0	
16 17		Jamestown 1		A BEGINS		ļ	
18 19		Jamestown 2 Lake Preston					
20 21		Total Oil - Peaking Units	s -	\$ 10,061	PROTECT \$ 10,061	ED DATA ENDS]	
22			PROTECTED DATA		\$ 10,001	U	
23 24		Natural gas - Solway Natural gas - Astoria	-			i	
25 26		Total Natural Gas	\$ 60,000	\$ 852,784	PROTECT \$ 792,784	ED DATA ENDS] 1321.31%	
27			PROTECTED DATA		0 102(104	102110170	
28 29		Solar - Blue Jay Solar - Blue Heron	t				
30 31	<u> </u>	Total Solar	s -	\$ -	PROTECT \$ -	ED DATA ENDS	
32			Ť	Ŧ	Ŧ		
33 34		Total OTP-Owned	\$ 1,898,708	\$ 3,527,280	\$ 1,628,572	85.77%	
35 36	Wholesal	le Market Charges MISO Wholesale Market Charges	<u> </u>				<u> </u>
37 38	555.02 555.04	DA Asset Energy Amount*** DA FBT Loss Amount		\$- \$-	\$- \$-	0	Energy Amounts - included/embedded within Market Purchases
39	555.09	DA Non-asset Energy Amount***	\$ -	\$ -	ş -		Energy Amounts - included/embedded within Market Purchases
40 41	555.19 555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	\$ - \$ (117,956)		\$ - \$ (195,129)	0 165.42%	Energy Amounts - included/embedded within Market Purchases
42 43	555.21	RT FBT Loss Amount DA Loss Amount		\$ - \$ 632,846	\$ - \$ 311,890	0 97.18%	
44		RT Loss Amount	\$ 14,515	\$ 48,156	\$ 33,641	231.76%	
45 46	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	\$ - \$ -	\$ - \$ -	\$- \$-	0	Energy Amounts - included/embedded within Market Purchases
47 48	555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount			\$ - \$ -	0	
49	555.01	DA Mkt Admin Amount	\$ 55,138	\$ 54,307	\$ (831)	-1.51%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51	555.18 555.13	RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 7,964 \$ 2,265	\$ 8,366 \$ 2,111	\$ 401 \$ (154)	-6.79%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53	555.03	DA FBT Congestion Amount DA Congestion		\$ - \$ 2,174,554	\$ - \$ 1,992,970	0 1097.55%	
54	555.20	RT FBT Congestion Amount	\$ -	\$ -	ş -	0	
55 56	555.14	RT Congestion FTR Hourly Allocation Amount	\$ 19,243 \$ (321,482)	\$ (4,828,404)	\$ (4,506,922)	3100.80% 1401.92%	
57 58	555.15 555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (18,134) \$ -	\$ (14,670) \$ -	\$ 3,464 \$ -	-19.10%	
59 60	555.35	FTR Monthly Transaction Amount	\$ (13,387)	\$ -	\$ 13,387	-100.00% 407.45%	
61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	\$ 34,419	\$ 155,359	\$ 120,940	351.37%	
62 63	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (323,729) \$ 319,942	\$ (7,519,744) \$ 7,517,112	\$ (7,196,015) \$ 7,197,171	2222.85% 2249.53%	
64 65	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 3,886 \$ (28,874)	\$ 24,119	\$ 20,233	520.62% 142.95%	
66	555.41 555.07	DA Congestion Rebate on Option B GFA	\$-	\$-	ş -	0	
67 68	555.10 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 9,571 \$ (15,983)			61.49% -58.95%	
69 70	555.29 555.30	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 19,075 \$ (7,792)		\$ (2,718) \$ 7,792	-14.25% -100.00%	
71	555.42	RT Price Volatility Make Whole Payment	\$ (15,936)		\$ (24,489)	153.67%	
72	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 47,497 \$ 12,002	\$ 121,110 \$ 114,883		154.98% 857.17%	
74 75	555.27 555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	\$ 845			-2585.01%	
76	555.59	RT Demand Response Allocation Uplift Amount	\$ 9,256	\$ 6,028	\$ (3,228)	-34.87%	
77 78		DA Ramp Product RT Ramp Product	\$ (276) \$ 120	\$ (831)	\$ (951)	-79.87% -792.12%	
79 80	555.65 555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	\$ 10,804 \$ -		\$ 5,141 \$ -	47.59% 0	Energy Amounts - included/embedded within Market Purchases
81 82	555.56 555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	\$-		\$ - \$ -		Energy Amounts - included/embedded within Market Purchases
83	555.06	DA Losses Rebate on COGA	\$ -	\$ -	ş -	0	
84 85	555.22 555.23	RT Congestion Rebate on COGA RT Loss Rebate on COGA	\$-		\$ - \$ -	0	
86 87		Net Congestion and Losses Adjustment & No DA Generation Schedu	\$-	\$ 113,642	\$ 113,642	0	
88		Total MISO Wholesale Market Charges	\$ 109,551	\$ (1,398,781)	\$ (1,508,332)	-1376.83%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89 90		SPP Wholesale Market Charges					
91 92	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount			\$- \$-	0	Energy Amounts - included/embedded within Market Purchases
93	555.09	RT Asset Energy Amount***	\$ -	\$ -	ş -	0	Energy Amounts - included/embedded within Market Purchases
94 95	555.00 555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	\$ -	<u></u> -	\$- \$-	0	
96 97	555.10 555.18	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	\$ 235 \$ -		\$ 1,476 \$ -	628.71% 0	
98	555.15	RT Revenue Neutrality Uplift Distribution Amount	\$ 22	\$ 691	\$ 669	3025.85%	
99 100	555.04 555.05	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	\$ 15 \$ 27	\$ 113	\$ 86	314.52%	
101 102	555.06 555.07	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	\$ 29 \$ 4			405.41% 766.82%	
103	555.08	RT Contingency Reserve Deployment Failure Amount	\$ (0)	\$ 0	\$ 0	-130.00%	
104 105	555.11 555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	\$ (7,581) \$ (0)	\$ 9	\$ 9	-1930.76%	
106 107	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$ (0) \$ (1)	\$ (3)	\$ (3)	837.05%	
108	555.16	RT Spinning Reserve Distribution Amount	\$ (0)	\$ (1)	\$ (1)	2894.06%	
109 110	555.17 555.20	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	\$ (0) \$ (66,154)	\$ (191,246)	\$ (125,092)	189.09%	
111 112	555.21 555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (17,233) \$ (5)		\$ (30,326) \$ 5		
113	555.26	ARR Closeout Yearly Amount	\$-	\$ -	ş -	0	
114 115	555.28 555.29	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	\$ (0) \$ 3	\$ 19	\$ 15	440.11%	
116	555.30	RT Schedule 1A4 Amount	\$ 18				

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 56 of 78

-										
117		DA Ramp Up Distribution Amount	\$	-	\$	89		89		New charge type in 2022
118		DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-		New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	(2)	\$	(2)	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	(4)	\$	(4)	0	New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	\$	18	\$	5	33.65%	
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$	(0)	\$	(3)	\$	(3)	3015.79%	
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$	-	\$	-	\$	-	0	
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(248,082)	\$	(124,756)	101.16%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(35,147)	s	(8.098)	\$	27.049	-76.96%	
129		Real Time Regulation Amount	S	5.747	Ś	(3,767)	\$	(9,514)	-165.55%	
130		Regulation Cost Distribution Amount	\$	13,108		23,042		9,934	75.78%	
131		Day Ahead Short-Term Reserve Amount	\$	-	Š	(2.523)		(2.523)	0.1070	
132		Real Time Short-Term Reserve Amount	\$		Š	(196)		(196)	0	
133		Short-Term Reserve Cost Distribution Amount	\$		\$	4,232		4.232	0	
133		Day Ahead Spinning Reserve Amount	č	(4.877)		(17,431)		(12,554)	257.43%	
134		Real Time Spinning Reserve Amount	э S	1.474		195		(12,554)	-86.80%	
135		Spinning Reserve Cost Distribution Amount	ş S	8,279	ş			14,547	-00.00%	
136		Day Ahead Supplemental Reserve Amount	ş S	(7,584)		(6,230)		1,354	-17.86%	
137		Real Time Supplemental Reserve Amount	\$ \$	2,323	\$ \$	(6,230)		(926)	-17.86%	
138		Supplemental Reserve Cost Distribution Amount	ş	2,323		3,102		(926) 835	-39.88%	
139			ş	2,267	э \$			835	36.83%	
		Contingency Reserve Deployment Failure Charge Amount	2				\$			
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	162		(2,410)	-93.71%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$		\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676		55		(1,621)	-96.70%	
144		Total MISO ASM	\$	(10,160)	\$	16,765	\$	26,926	-265.01%	
145										
146		Total Wholesale Market Charges	\$	8,784	\$	(1,630,097)	\$ (1	1,638,881)	-18656.82%	
146 147		Total Wholesale Market Charges	\$	8,784	\$	(1,630,097)	\$ (1	1,638,881)	-18656.82%	
146 147 148			\$	8,784	\$	(1,630,097)	\$ (1	1,638,881)	-18656.82%	
146 147 148 149	Purchase						\$ (1	1,638,881)	-18656.82%	
146 147 148 149 150	Purchase	ed Power		8,784			\$ (1	1,638,881)	-18656.82%	
146 147 148 149 150 151	Purchase	zd Power Edgeley PPA					\$ (1	1,638,881)	-18656.82%	
146 147 148 149 150 151 152	Purchase	ed Power Edgeley PPA Langdon PPA					\$ (1	1,638,881)	-18656.82%	
146 147 148 149 150 151 152 153	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA					\$ (1	1,638,881)	-18656.82%	
146 147 148 149 150 151 152 153 154	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA)					\$ (1	1,638,881)	-18656.82%	Not Applicable to EAR - Excluded from Total
146 147 148 149 150 151 152 153 154 155	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance					\$ (1	1,638,881)	-18656.82%	Not Applicable to EAR - Excluded from Total
146 147 148 149 150 151 152 153 154 155 156	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads					\$ (1	1,638,881)	-18656.82%	Not Applicable to EAR - Excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance					\$ (1	1,638,881)	-18656.82%	Not Applicable to EAR - Excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157 158	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases					\$ (1	1,638,881)	-18656.82%	
146 147 148 150 151 152 153 154 155 156 157 158 159	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) UMAPA Energy Imbalance Shared Loads Small Co-gen								Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
146 147 148 149 150 151 152 153 154 155 155 155 155 155 155 155 155 155	Purchase	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases		CTED DAT	ABE	GINS		PROTECT	ED DATA ENDS]	MISO and SPP Energy Only
146 147 148 149 150 151 152 153 154 155 156 157 158 159	Purchase	ed Power Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Co-gen Bilateral purchases			ABE				ED DATA ENDS]	
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160		ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) MAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		CTED DAT	A BE	GINS		PROTECT	ED DATA ENDS]	MISO and SPP Energy Only
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161		ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) MAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		CTED DAT	A BE	GINS	F \$ 4	PROTECT	ED DATA ENDS]	MISO and SPP Energy Only
146 147 148 150 150 151 152 153 154 155 156 157 158 159 160 161 161	Purchase	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) MAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	[PROTE(CTED DAT	A BE	GINS	F \$ 4	PROTECT	ED DATA ENDSJ 72.22%	MISO and SPP Energy Only
146 147 148 150 151 152 153 154 155 156 157 158 159 160 161 162 163	Wind Cur	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) MAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	[PROTE(CTED DAT	A BE	GINS	F \$ 4 \$	PROTECT	ED DATA ENDS] 72.22% 294.23%	MISO and SPP Energy Only
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 161 162 163 164	Wind Cur	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) Market purchases Market Purchases Total Purchases tailment	[PROTE(5,579,002 46,446	A BE	GINS 9,608,283 183,104	F \$ 4 \$ \$	PROTECTE 4,029,281 136,658	ED DATA ENDS] 72.22% 294.23%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
146 147 148 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales	[PROTE(CTED DAT 5,579,002 46,446 18,403	A BE	9,608,283 183,104 678,398	 \$ 4 \$ \$	PROTECTE 4,029,281 136,658 659,995	ED DATA ENDS] 72.22% 294.23% 3586.41%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
146 147 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases Total Purchases tailment Sed Sales Fuel Costs Fuel Costs	[PROTE(5,579,002 46,446 18,403 32,910	A BE	9,608,283 183,104 678,398 537,746	 \$ 4 \$ \$	PROTECTE 4,029,281 136,658 659,995 504,836	ED DATA ENDS) 72.22% 294.23% 1534.01%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 161 162 163 164 165 166 167	Wind Cur Asset Ba	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Total Purchases Market Purchases Total Purchases Full Costs Fuel Fuel Fuel Fuel Fuel Fuel Fuel Fuel	[PROTE(5,579,002 46,446 18,403 32,910	A BE	GINS 9,608,283 183,104 678,398 537,746 140,652		PROTECTE 4,029,281 136,658 659,995 504,836 155,159	ED DATA ENDS] 72.22% 294.23% 3586.41% 1534.01% -1069.55%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind Cur Asset Ba	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Purchases Market Purchases Total Purchases tailment Sed Sales Fuel Costs Fuel Costs	[PROTE(5,579,002 46,446 18,403 32,910 (14,507)	A BE	9,608,283 183,104 678,398 537,746		PROTECTE 4,029,281 136,658 659,995 504,836	ED DATA ENDS] 72.22% 294.23% 3586.41% 1534.01% -1069.55%	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 161 162 163 164 165 166 167	Wind Cur Asset Ba Steam Pl	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Tailment tsad Sales Fuel Costs Asset Based Margins ant Reagents	[PROTE(CTED DAT 5,579,002 46,446 18,403 32,910 (14,507)	A BE	9,608,283 9,608,283 183,104 678,398 537,746 140,652 135,939		PROTECTE 4,029,281 136,658 659,995 504,836 155,159 135,939	ED DATA ENDS] 72.22% 294.23% 1534.01% -1069.55% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
146 147 148 149 150 151 152 153 154 155 156 157 158 157 158 157 160 161 162 163 164 165 166 167 168 169 170	Wind Cur Asset Ba Steam Pl	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Total Purchases Market Purchases Total Purchases Full Costs Fuel Fuel Fuel Fuel Fuel Fuel Fuel Fuel	[PROTE(5,579,002 46,446 18,403 32,910 (14,507)	A BE	GINS 9,608,283 183,104 678,398 537,746 140,652		PROTECTE 4,029,281 136,658 659,995 504,836 155,159	ED DATA ENDS] 72.22% 294.23% 1534.01% -1069.55% 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 166 167 169 170 170	Wind Cur Asset Ba Steam Pl Steam/W	ad Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Tailment tsad Sales Fuel Costs Asset Based Margins ant Reagents tater Sales	[PROTE(CTED DAT 5,579,002 46,446 18,403 32,910 (14,507)	A BE	GINS 9,608,283 183,104 678,398 537,746 140,652 135,339 (56,084)		PROTECTE 4,029,281 136,658 504,836 155,159 135,939 (56,084)	ED DATA ENDS] 72.22% 294.23% 3586.41% 1534.01% -1069.55% 0 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 166 166 166 166 167 171 171 172	Wind Cur Asset Ba Steam Pl Steam/W	ed Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Tailment tsad Sales Fuel Costs Asset Based Margins ant Reagents	[PROTE(5,579,002 46,446 18,403 32,910 (14,507)	A BE	9,608,283 9,608,283 183,104 678,398 537,746 140,652 135,939		PROTECTE 4,029,281 136,658 659,995 504,836 155,159 135,939	ED DATA ENDS] 72.22% 294.23% 3586.41% 1534.01% -1069.55% 0 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
146 147 148 149 150 151 152 153 154 155 156 157 158 157 158 157 158 160 161 162 163 164 166 166 166 166 167 171 172 3 174	Wind Cur Asset Ba Steam Pl Steam/W Planning	ad Power Edgeley PPA Edgeley PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) Tribal (WAPA) Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Shared Loads Total Purchases Market Purchases Total Purchases Tailment tsad Sales Fuel Costs Asset Based Margins ant Reagents tater Sales	[PROTE 	5,579,002 46,446 18,403 32,910 (14,507) -	A BE \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	GINS 9,608,283 183,104 678,398 537,746 140,652 135,339 (56,084)		PROTECTE 4,029,281 136,658 504,836 155,159 135,939 (56,084)	ED DATA ENDS] 72.22% 294.23% 3586.41% 1534.01% -1069.55% 0 0 0 0	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

1			October 2022	Forecast to Actu	al - M	Wh
			October 2022	October 2022		
Lino	Plant Ger	poration	Forecast [PROTECTED DAT/	Actual		Notes
1		Big Stone	[PROTECTED DATA	A BEGINS		
2		Coyote		-		
3 4		Hoot Lake #2 Hoot Lake #3	_			Hoot Lake plant closed in May 2021
5				TECTED DATA E		
6		Total Coal	56,263 [PROTECTED DAT			
8		Langdon Wind				
9 10		Ashtabula Wind Luverne Wind				
11		Merricourt				
12		Tetel Wind	PRO 102,769	TECTED DATA E 98,115	NDS]	
13 14		Total Wind	102,769	96,115		
15		Total Hydro	1,699	508		
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 2				
19 20		Lake Preston	PRO	TECTED DATA E	NDSI	
21		Total Oil - Peaking Units	-	•		
22		Natural das - Solway	[PROTECTED DAT	A BEGINS		
23 24		Natural gas - Solway Natural gas - Astoria				
25 26		Total Natural Gas	PRO	TECTED DATA E 13,047	NDS]	
27			[PROTECTED DAT			
28 29		Solar - Blue Jay Solar - Blue Heron			<u> </u>	
30			PRO	TECTED DATA E	NDS]	
31 32		Total Solar	-	8		
33		Total OTP-Owned	160,731	227,543	L	
34	Wholes				Ē	
35 36		e Market Charges MISO Wholesale Market Charges		<u> </u>	L	
37	555.02	DA Asset Energy Amount***	N/A	N/A		
38 39	555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A	-	<u> </u>
40	555.19	RT Asset Energy Amount***	N/A	N/A		
41 42		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		<u> </u>
43		DA Loss Amount	N/A	N/A		
44 45		RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A	-	
46	555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A	N/A		
47		DA Virtual Energy Amount	N/A N/A	N/A N/A		
48 49		RT Virtual Energy Amount DA Mkt Admin Amount	N/A	N/A		
		RT Mkt Admin Amount	N/A	N/A		
51 52		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
53		DA Congestion	N/A	N/A		
54 55	555.2	RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
56	555.14	FTR Hourly Allocation Amount	N/A	N/A		
		FTR Monthly Allocation Amount FTR Yearly Allocation Amount	N/A N/A	N/A N/A		
59	555.35	FTR Monthly Transaction Amount	N/A	N/A		
60 61		FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63 64		FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66 67		DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
68	555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69 70	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amoun RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
72		RT Revenue Neutrality Uplift Amount	N/A	N/A		
	555.27	RT Misc Amount RT Net Inadvertent Amount	N/A N/A	N/A N/A	L	
75	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
		RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A	-	
78	555.64	RT Ramp Product	N/A	N/A		
79 80	555.65 555.55	RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount***	N/A N/A	N/A N/A	-	<u> </u>
81	555.56	RT ASM Excessive Energy Amount***	N/A	N/A		
	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		<u> </u>
84	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A		<u> </u>
87			N/A	NVA.		
88 89		Total MISO Wholesale Market Charges			<u> </u>	
90		SPP Wholesale Market Charges				
91 92		DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A	<u> </u>	
93	555.09	RT Asset Energy Amount***	N/A	N/A		
94	555	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
96	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A		
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A N/A	L	
100	555.05	DA Regulation-Up Distribution Amount	N/A	N/A	Ē	
101 102	555.07	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A	-	
103	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104 105		RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A	-	<u> </u>
106	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
		RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A	<u> </u>	
109	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
110	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
111 112		RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A	L	
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A	-	
			1973		•	

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 58 of 78

555.31 555.32	RT Schedule 1A4 Amount DA Ramp Up Distribution Amount	N/A	N/A		
555.32	DA Ramp Up Distribution Amount				
		N/A	N/A		New charge type in 2022
	DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
	RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		N/A	N/A		
555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
		N/A	N/A		
				-	
				L	
		N/A			
	Supplemental Reserve Cost Distribution Amount	N/A	N/A		
	Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
		N/A	N/A	1	
		N/A	N/A	1	
		1071	1473		
	Total Mileo Adm				
	Total Wholesale Market Charges			-	
	Total Wildlesale Walket Charges				
	1.0				
rurchase	a Power				
	5 · · · · · · · · · · · · · · · · · · ·	[PROTECTED DAT	A BEGINS		
					Not Applicable to EAR - Excluded from Total
	Small Co-gen		·		
	Bilateral purchases	_			
-	Market Purchases				MISO and SPP Energy Only
		PRO	TECTED DATA E	NDS1	
	Total Purchases				Tribal (WAPA) excluded from Total
	. otar i u chases	2-10,700	2. 0,000	-	
Nind Cur	tailment	1 407	5 //30		
		1,407	5,430	-	
Accot Po	sod Salos	075	15 005	-	Credit to MN FCA Calculation - Subtracted from Total
ISSUE Das	SEU JAIES	9/5	15,025		Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
	5 10 1			1	
	Fuel Costs			L	Based Sales
					Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
	Asset Based Margins				Based Sales
Steam Pla	ant Reagents	•	•		Effective July 2022 - Docket No. E017/GR-20-719
		-	-		Effective hele 0000 Dested his E017/OD 00 740
Steam/Wa	ater Sales	-			Effective July 2022 - Docket No. E017/GR-20-719
Steam/Wa	ater Sales	-			Effective July 2022 - Docket No. E017/GR-20-719
	ater Sales Resource Auction Revenues	-			Effective Juny 2022 - Docket No. EUT/15K-20-719 Effective June 2022
	255.22 255.27 Purchase	55.22 DA GFA Carve Out Distribution Degloyment Monthy Amount Total SPP Wholesale Market Charges MISO ASM Day Ahead Regulation Amount Real Time Regulation Amount Regulation Cost Distribution Paylow Regulation Cost Distribution Amount Real Time Short-Term Reserve Amount Short-Term Reserve Cost Distribution Amount Day Ahead Spinning Reserve Amount Real Time Spinning Reserve Amount Spinning Reserve Cost Distribution Amount Day Ahead Supplemental Reserve Amount Real Time Supplemental Reserve Amount Supplemental Reserve Cost Distribution Amount Contingency Reserve Decloyment Failure Charge Amount Real Time Excessive Cost Distribution Amount Real Time Supplemental Reserve Cost Distribution Amount Supplemental Reserve Cost Distribution Amount Real Time Excessive Cost Distribution Amount Real Time Supplemental Reserve Cost Distribution Amount Real Time Supplemental Reserve Cost Distribution Amount Real Time Excessive Cost Distribution Amount Real Time Excessive Cost Distribution Amount Net Regulation Adjustment Amount Total MiSO ASM Total MiSO ASM Varthased Power Edgeley PPA Langdon PPA Ashtabula III PPA Aritabula III PPA Aritabula III PPA Ashtabula III PPA Bilateral purchases Shared Loads Small Co-gen Bilateral purchases	55.22 DA GFA Carve Out Distribution Deployment Monthly Amount N/A 55.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A 55.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A 55.27 DA GFA Carve Out Distribution Amount N/A 55.27 Day Ahead Regulation Amount N/A Real Time Regulation Amount N/A Regulation Cost Distribution Amount N/A Regulation Cost Distribution Amount N/A Real Time Sport-Term Reserve Amount N/A Short-Term Reserve Cost Distribution Amount N/A Real Time Spinning Reserve Amount N/A Bay Ahead Supplemental Reserve Amount N/A Bay Deplemental Reserve Cost Distribution Amount N/A Bay Deplemental Reserve Cost Distribution Amount N/A Bay Deplemental Reserve Cost Distribution Amount N/A Contingency Reserve Deployment Failure Charge Amount N/A Real Time Supplemental Reserve Cost Distribution Amount N/A Real Time Excessive Deployment Failure Charge Amount N/A Net Regulation Adjustment Amount N/A Net Regulation Adjustment Amount N/A Virthased Power [PROTECTED DAT Edgeley PPA [PROTECTED DAT Edgeley PPA [Real TimeD	55.22 DA GFA Carve Out Distribution Deployment Monthy Amount N/A N/A 55.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 55.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 55.27 DA GFA Carve Out Distribution Amount N/A N/A Day Ahead Regulation Amount N/A N/A Real Time Regulation Amount N/A N/A Regulation Cost Distribution Amount N/A N/A Day Ahead Short-Term Reserve Amount N/A N/A Short-Term Reserve Amount N/A N/A Short-Term Reserve Amount N/A N/A Day Ahead Spinning Reserve Amount N/A N/A Day Ahead Spinning Reserve Amount N/A N/A Day Ahead Supplemental Reserve Cost Distribution Amount N/A N/A Day Ahead Supplemental Reserve Amount N/A N/A Day Ahead Supplemental Reserve Amount N/A N/A Supplemental Reserve Cast Distribution Amount N/A N/A Contingency Reserve Deployment Failure Charge Amount N/A N/A Short-Term Reserve Cast Distribution Amount N/A N/A Contingency Reserve Deployment Failure Charge Amount N/A N/A <	255.22 DA GFA Carve Out Distribution Deployment Monthly Amount N/A N/A 255.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 255.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 255.27 DA GFA Carve Out Distribution Deployment Yearly Amount N/A N/A 255.27 DA GFA Carve Out Distribution Amount N/A N/A 256.27 Day Ahead Regulation Amount N/A N/A 257 Day Ahead Stort-Term Reserve Amount N/A N/A 258.27 Day Ahead Stort-Term Reserve Amount N/A N/A 259.37 N/A Beal Time Spinning Reserve Amount N/A N/A 250.37 N/A Beal Time Spinning Reserve Amount N/A N/A 250.37 N/A Beal Time Spinning Reserve Amount N/A N/A 261.37 N/A Beal Time Spinning Reserve Amount N/A N/A 262.47 N/A Beal Time Spinning Reserve Amount N/A N/A 263.47 N/A Beal Time Spinning Reserve Amount N/A N/A 264.47 N/A N/A N/A 265.47 Distribution Amount N/A N/A 266.47 N/A N/A 267.47 Distribution Amount </td

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04 Total OTP-Owned Total Purchases - Tribal Excluded (Asset Based Sales) Att8 Rate CalculationMN OTP Initial Filing 2021-05-05 Wind Curtailment



PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 59 of 78

I			October 2022 Fo	recast to Actual	- \$ per MW	/h
			October 2022 Forecast	October 2022 Actual		Notes
	Plant Ger		Porecast [PROTECTED DAT/			INDIES
1 2		Big Stone Coyote	-	-		
3 4		Hoot Lake #2 Hoot Lake #3		-		Hoot Lake plant closed in May 2021
5 6		Total Coal	\$ 32.68	PROTECTED DAT \$ 23.00	A ENDS]	
7			[PROTECTED DAT			
8		Langdon Wind Ashtabula Wind	-			
10 11		Luverne Wind Merricourt	-			
12 13		Total Wind	s -	PROTECTED DAT \$-	A ENDS]	
14 15		Total Hydro		\$ -		
16			PROTECTED DAT			
17 18		Jamestown 1 Jamestown 2	-	-		
19 20		Lake Preston		PROTECTED DAT	A ENDS	
21 22		Total Oil - Peaking Units		ş -		
23 24		Natural gas - Solway Natural gas - Astoria	-			
25				PROTECTED DAT	A ENDS]	
26 27			0 [PROTECTED DATA	\$ 65.36 A BEGINS		
28 29		Solar - Blue Jay Solar - Blue Heron	-	-		
30 31		Total Solar		PROTECTED DAT \$-	A ENDS]	
32						
33 34		Total OTP-Owned	\$ 32.68	\$ 88.36		
36		e Market Charges MISO Wholesale Market Charges				
37	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
39	555.09	DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
41	555.24	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A	N/A		
43		RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
44 45		RT Loss Amount RT Non-Asset Energy Amount***	N/A N/A	N/A N/A		
46	555.08	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
50	555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
53		DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
55		RT Congestion	N/A	N/A		
56 57	555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
		FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62	555.39	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
66	555.07	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
	555.1 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A N/A		
73	555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A		
	555.31	RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
76	555.59	RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
78	555.64	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
80	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
82	555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
83 84	555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A N/A	N/A N/A		
87			IN/A	IN/A		
88 89		Total MISO Wholesale Market Charges				
90 91	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		
92	555.03	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
94	555	RT Non-Asset Energy Amount	N/A	N/A		
96	555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount T Pake-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
98	555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
99	555.04	DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
101	555.06	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
103	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
105	555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
106	555.13	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
108	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
112	555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
	555.26 555.28	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	N/A N/A	N/A N/A		
		RT Schedule 1A3 Amount	N/A	N/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 60 of 78

	FFF 00	DT Osh shuls 444 Assessed	NI/A	N1/A		
		RT Schedule 1A4 Amount	N/A N/A	N/A N/A	L	Neu sharas tina in 2022
		DA Ramp Up Distribution Amount				New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A	L	New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
130		Day Ahead Short-Term Reserve Amount	N/A	N/A		
32		Real Time Short-Term Reserve Amount	N/A	N/A		
33		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
34		Day Ahead Spinning Reserve Amount	N/A	N/A		
35		Real Time Spinning Reserve Amount	N/A	N/A		
36		Spinning Reserve Cost Distribution Amount	N/A	N/A		
37		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
40		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
42		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
43		Net Regulation Adjustment Amount	N/A	N/A		
			N/A	N/A		
44		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
148	Purchase	d Power				
148	Purchase		[PROTECTED DAT	A BEGINS		
148 149	Purchase		[PROTECTED DAT	A BEGINS		
148 149 150	Purchase		[PROTECTED DAT	A BEGINS		
148 149 150 151 152		Edgeley PPA Langdon PPA	[PROTECTED DAT	A BEGINS		
148 149 150 151 152 153		Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DAT	A BEGINS		Not Applicable to FAR - Excluded from Total
148 149 150 151 152 153 154		Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	[PROTECTED DAT - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
148 149 150 151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabual III PPA Tribal (WAPA) WAPA Energy Imbalance	[PROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
48 49 50 51 52 53 54 55 56		Edgeley PPA Langdon PPA Ashtabuda III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
48 49 50 51 52 53 53 54 55 56 57		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	IPROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
148 149 150 151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabula III PPA Trotal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	IPROTECTED DAT	A BEGINS		
148 149 150 151 152 153 154 155 156 157 158 159		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	- - - - - - - -			Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 160		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases	- - - - - - - - - - - -	PROTECTED DAT	A ENDS]	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 160 161		Edgeley PPA Langdon PPA Ashtabula III PPA Trotal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases	- - - - - - - -	PROTECTED DAT	A ENDS]	
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	- - - - - - - \$ 22.70	PROTECTED DAT \$35.46	A ENDS]	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	- - - - - - - - - - - -	PROTECTED DAT \$35.46	A ENDS)	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	- - - - - - - \$ 22.70	PROTECTED DAT \$35.46	A ENDS]	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	- - - - - - - \$ 22.70	PROTECTED DA1 \$ 35.46 \$ 33.72	A ENDS]	MISO and SPP Energy Only
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smarl Loads Smarl Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases	\$ 22.70 \$ 33.02	PROTECTED DA1 \$ 35.46 \$ 33.72	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales	\$ 22.70 \$ 33.02 \$ 18.87	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
148 149 150 151 152 153 154 155 156 157 158 160 161 162 163 164 165	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases	\$ 22.70 \$ 33.02	PROTECTED DA1 \$ 35.46 \$ 33.72	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
48 49 50 51 52 53 54 55 55 56 57 58 59 60 61 62 63 64 65 64 66 66	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs	\$ 22.70 \$ 33.02 \$ 18.87 NA	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
48 49 49 50 551 55 553 55 556 55 557 58 559 60 661 65 666 66	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales	\$ 22.70 \$ 33.02 \$ 18.87	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
48 49 449 50 551 55 553 55 556 557 558 59 660 662 663 664 666 666 666 667 668 667	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment Sed Sales Fuel Costs Asset Based Margins	\$ 22.70 \$ 33.02 \$ 18.87 N/A N/A	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
48 449 550 551 552 553 555 556 557 558 559 660 662 664 665 667 668 669	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs	\$ 22.70 \$ 33.02 \$ 18.87 NA	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind Cur Asset Ba Steam Pla	Edgeley PPA Langdon PPA Ashtabula III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.70 \$ 33.02 \$ 18.87 NA NA NA	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Effective July 2022 - Docket No. E017/GR-20-719
48 49 449 50 551 55 552 55 556 55 557 58 559 60 661 662 666 666 667 668 669 70 770 771	Wind Cur Asset Ba Steam Pla	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment Sed Sales Fuel Costs Asset Based Margins	\$ 22.70 \$ 33.02 \$ 18.87 N/A N/A	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
48 49 449 50 551 55 552 55 556 55 557 58 559 60 661 662 666 666 667 668 669 70 770 771	Wind Cur Asset Ba Steam Pla	Edgeley PPA Langdon PPA Ashtabula III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.70 \$ 33.02 \$ 18.87 NA NA NA	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15 N/A N/A N/A	A ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Assel Based Sales Effective July 2022 - Docket No. E017/GR-20-719
148 149 150 151 152 153 154 155 155 157 158 159 160 161 162 163 164 165 166 167 168 169 164 165 167 168 169 161 162 163 164 165 167 168 169 161 162 163 164 165 168 169 161 162 163 164 165 167 168 169 171	Wind Cur Asset Ba Steam Pla Steam/Wa	Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 22.70 \$ 22.70 \$ 33.02 \$ 18.87 NA NA NA	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15 N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
148 149 150 151 152 153 154 155 155 157 158 159 160 161 162 163 164 165 166 167 168 169 164 165 167 168 169 161 162 163 164 165 167 168 169 161 162 163 164 165 168 169 161 162 163 164 165 167 168 169 171	Wind Cur Asset Ba Steam Pla Steam/Wa	Edgeley PPA Langdon PPA Ashtabula III PPA Trobal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.70 \$ 33.02 \$ 18.87 NA NA NA	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15 N/A N/A N/A	A ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
148 149 150 151 155 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 173 173	Wind Cur Asset Ba Steam Planing	Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 22.70 \$ 22.70 \$ 33.02 \$ 18.87 NA NA NA	PROTECTED DA1 \$ 35.46 \$ 33.72 \$ 45.15 N/A N/A N/A N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 61 of 78

j			Novemb	er 2022 Forecast 1	o Actual - Expen	se (Revenue)	
			November 2022	November 2022	o riotuur Expon		
Line	Plant Ger	neration	Forecast [PROTECTED DAT.	Actual A BEGINS			Notes
1		Big Stone	_			•	
2		Coyote Hoot Lake #2	_				Hoot Lake plant closed in May 2021
4		Hoot Lake #3		i	PROTECT	ED DATA ENDS	
6		Total Coal	\$ 2,399,645	\$ 1,916,783	\$ (482,862)		
7		Langdon Wind	[PROTECTED DAT.	A BEGINS		-	
9		Ashtabula Wind					
10		Luverne Wind Merricourt	-				
12						ED DATA ENDS]	
13 14		Total Wind	\$-	\$-	\$-	0	
15		Total Hydro	\$-	\$-	\$-	0	
16 17		Jamestown 1	[PROTECTED DAT.	A BEGINS			
18		Jamestown 2	-				
19 20		Lake Preston		1	PROTECT	ED DATA ENDS	
21		Total Oil - Peaking Units		\$ 6,687	\$ 6,687		
22 23		Natural gas - Solway	[PROTECTED DAT.	A BEGINS		Ļ	
24		Natural gas - Astoria	-				
25 26		Total Natural Gas	\$ 65,221	\$ 1,022,512		ED DATA ENDS] 1467.76%	
27			[PROTECTED DAT.				
28 29		Solar - Blue Jay Solar - Blue Heron				·	
30			¢		PROTECT	ED DATA ENDS]	
31 32		Total Solar		ş -	ه -	0	
33		Total OTP-Owned	\$ 2,464,866	\$ 2,945,983	\$ 481,117	19.52%	
34 35		e Market Charges					<u> </u>
36 37		MISO Wholesale Market Charges DA Asset Energy Amount***	s -	s -	s -	0	Energy Amounts - included/embedded within Market Purchases
38	555.04	DA FBT Loss Amount	\$-	\$ -	ş -	0	
39 40		DA Non-asset Energy Amount*** RT Asset Energy Amount***	\$ - \$ -		\$ - \$ -		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
41	555.24	RT Distribution of Losses Amount	\$ (136,665)	\$ (292,502)	\$ (155,837)	114.03%	
42 43		RT FBT Loss Amount DA Loss Amount	\$ - \$ 371,861		\$ - \$ 332,915	0 89.53%	
44 45		RT Loss Amount	\$ 16,818		\$ 5,043 \$ -	29.98%	Energy Amounts - included/embedded within Market Purchases
		RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA			\$ -	0	
	555.12	DA Virtual Energy Amount		\$ - \$ -	\$- \$-	0	
40		RT Virtual Energy Amount DA Mkt Admin Amount	\$ - \$ 61,554		\$ - \$ 3,961	6.43%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
50 51		RT Mkt Admin Amount FTR Mkt Admin Amount	\$ 8,495 \$ 2,123			13.95%	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52		DA FBT Congestion Amount	\$ -	\$ -	ş -	0	
53 54		DA Congestion RT FBT Congestion Amount	\$ 210,384 \$ -		\$ 1,831,530 \$ -	870.57%	
55		RT Congestion	\$ 22,295	\$ 296,168	\$ 273,873	1228.38%	
56 57		FTR Hourly Allocation Amount FTR Monthly Allocation Amount	\$ (372,471) \$ (21,010)			1165.69% 882.27%	
58	555.17	FTR Yearly Allocation Amount	\$-	\$ -	s -	0	
59 60		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	\$ (15,510) \$ (19,736)		\$ 15,510 \$ 151,534	-100.00% -767.79%	
61 62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	\$ 17,857 \$ (323,729)		\$ (149,654) \$ (7,196,015)	-838.07% 2222.85%	
63	555.38	FTR Annual Transaction Amount	\$ 319,942	\$ 7,517,112	\$ 7,197,171	2249.53%	
64 65		FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	\$ 3,886 \$ (28,875)			520.83% 142.95%	
66	555.07	DA Congestion Rebate on Option B GFA	\$ -	\$-	ş -	0	
67 68		DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 11,944 \$ (3,933)			73.90%	
69 70		RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pvmt Amount	\$ 19,075 \$ (7,792)	\$ 35,905	\$ 16,830 \$ 7,792	88.23%	
71	555.42	RT Price Volatility Make Whole Payment	\$ (15,936)			141.39%	
72 73	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 47,497 \$ 12.002			-219.32% -150.98%	
74	555.27	RT Net Inadvertent Amount	\$ 845	\$ 12,739	\$ 11,894	1407.08%	
75 76		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$ - \$ 9,256	\$ - \$ 47	\$ - \$ (9,209)	-99.49%	
77	555.63	DA Ramp Product	\$ (654)	\$ (1,713)	\$ (1,060)	162.09%	
78 79	555.64 555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	\$ 93 \$ 10,804			-1822.86% 69.56%	
80	555.55	RT ASM Non-Excessive Energy Amount***	\$-	\$ -	s -	0	Energy Amounts - included/embedded within Market Purchases
82	555.05	RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	\$-	\$-	\$ - \$ -	0	
83	555.06	DA Losses Rebate on COGA RT Congestion Rebate on COGA	\$-	\$ -	ş -	0	
85	555.22 555.23	RT Loss Rebate on COGA	\$-	\$ -	\$ - \$ -	0	
86 87		Net Congestion and Losses Adjustment & No DA Generation Schedu	\$ -	\$ 67,341	\$ 67,341	0	
88		Total MISO Wholesale Market Charges	\$ 128,248	\$ (2,147,178)	\$ (2,275,426)	-1774.24%	Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
89 90		SPP Wholesale Market Charges					
	555.19	DA Asset Energy Amount*** DA Non-asset Energy Amount			\$- \$-	0	Energy Amounts - included/embedded within Market Purchases
92	555.09	RT Asset Energy Amount***	s -	s -	s -	0	
94 95	555.00 555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	s - s -		\$ - \$ -	0	
96	555.10	RT Make-Whole-Payment Distribution Amount	\$ 235	\$ (43)	\$ (277)	-118.15%	
97 98	555.18 555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	\$ - \$ 22		\$ - \$ (149)	-674.47%	
99	555.04	DA Regulation-Down Distribution Amount	\$ 15	\$ (4)	\$ (19)	-124.98%	
100 101		DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	\$ 27 \$ 29			-128.87% -118.86%	
102	555.07	DA Supplemental Reserve Distribution Amount	\$ 4 \$ (0)	\$ (2)	\$ (5)	-149.83%	
103	555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	\$ (8,784)	\$ (19,456)			
105 106	555.12	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	\$ (0)	\$ (2) \$ 1	\$ (1)	239.88% -307.17%	
107	555.14	RT Regulation-Up Distribution Amount	\$ (1)	\$ 1	\$ 2	-282.56%	
108 109	555.16	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	\$ (0) \$ (0)		\$ 0 \$ (0)		
110	555.20	RT Pseudo Tie Congestion Amount	\$ (76,646)	\$ (169,983)	\$ (93,337)	121.78%	
111 112		RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (19,966) \$ (5)	s -	\$5	-14.48%	
	555.26	ARR Closeout Yearly Amount	\$ -	\$-	s -	0	
114		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount		\$ 0 \$ (1)			
	555.29						

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 62 of 78

116		RT Schedule 1A4 Amount	\$	18		(4)			-121.10%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	(1)	\$	(1)	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	0	\$	0	0	New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	S	(0)	\$	(0)	0	New charge type in 2022
121		RT Ramp Down Distribution Amount	\$	-	\$	-	Š	-		New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	ŝ	(6)		(19)	-140.78%	
122		DA GFA Carve Out Distribution Deployment Daily Amount	\$	(0)	s	0			-140.78%	
123		DA GFA Carve Out Distribution Deployment Yearly Amount	ş S	- (0)					-157.14%	
	555.27				\$	-	\$	-		
125		Total SPP Wholesale Market Charges	ş	(123,325)	\$	(206,713)	\$	(83,387)	67.62%	
126										
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(63,513)	\$	(22,966)			-63.84%	
129		Real Time Regulation Amount	\$	11,573	\$	6,032	\$		-47.88%	
130		Regulation Cost Distribution Amount	\$	17,516	Ś	26,956	\$	9,440	53.90%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(7,446)	\$	(7,446)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	124	S	124	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	ŝ	11,386			0	
134		Day Ahead Spinning Reserve Amount	\$	(13,303)	ŝ	(35.059)			163.54%	
134		Real Time Spinning Reserve Amount	ş	5,508	\$	3.951			-28.26%	
135				9,966		34,669			-26.26%	
		Spinning Reserve Cost Distribution Amount	Ş		Ş					
137		Day Ahead Supplemental Reserve Amount	\$	(5,890)	\$	(5,610)			-4.76%	
138		Real Time Supplemental Reserve Amount	\$	1,855	\$	(2,098)			-213.09%	
139		Supplemental Reserve Cost Distribution Amount	\$	1,402	\$	1,770			26.24%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$		0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	(1,148)	\$	(3,720)	-144.62%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-	\$	-	\$	-	0	
143		Net Regulation Adjustment Amount	s	1,676	S	(1,026)	\$	(2.702)	-161.21%	
144		Total MISO ASM	\$	(30,638)	Ś	9,536		40,174	-131.12%	
145			Ť	(00,000)	Ť	0,000	Ť	40,114	101112/0	
146		Total Wholesale Market Charges	¢	(7,425)	¢	(2,344,355)	¢	(2,336,930)	31473.06%	
147		Total Wildlesdie Market Gharges	Ŷ	(1,423)	*	(2,344,333)	Ψ	(2,000,000)	51475.0070	
147							-			
140	Purchase	d Denne					-			
	Purchase						<u> </u>			
150			[PRO	TECTED DAT.	A BI	GINS				
151		Edgeley PPA	_							
152		Langdon PPA	_							
153		Ashtabula III PPA	_							
154		Tribal (WAPA)								Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance								
156		Shared Loads	Γ							
157		Small Co-gen	-							
158		Bilateral purchases	-							
159		Market Purchases	-							MISO and SPP Energy Only
160			-		-		-	PROTECT	D DATA ENDS	inter and the analysis only
161		Total Purchases	ŝ	6 510 177	e	11.818.168	e	5.298.991		Tribal (WAPA) excluded from Total
162	-	Total Purchases	Ş	3,313,177	۴.	1,010,100	\$	3,230,391	01.20%	
	Wind C.	tailmant		2 240	s	(44.000)		(42.240)	E77 0 40/	
163	Wind Cur	taiment	\$	2,310	•	(11,039)	1 2	(13,349)	-577.94%	
164							L .			
165			\$	444	\$	448,878				Credit to MN FCA Calculation - Subtracted from Total
	Asset Bas									
166		Fuel Costs	\$	406	\$	369,386			90984.20%	
					\$	369,386 79,493	\$		90984.20% 204879.44%	
166		Fuel Costs	\$	406						
166 167		Fuel Costs Asset Based Margins	\$	406		79,493	\$	79,454	204879.44%	Effective July 2022 - Docket No. E017/GR-20-719
166 167 168		Fuel Costs	Se S	406 39	Ş		\$	79,454	204879.44%	Effective July 2022 - Docket No. E017/GR-20-719
166 167 168 169 170	Steam Pla	Fuel Costs Asset Based Margins ant Reagents		406 39 -	\$ \$	79,493 96,219	\$ \$	79,454 96,219	204879.44% 0	
166 167 168 169 170 171	Steam Pla	Fuel Costs Asset Based Margins	Se S	406 39	Ş	79,493	\$ \$	79,454 96,219	204879.44% 0	Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
166 167 168 169 170 171 172	Steam Pla Steam/Wa	Fuel Costs Asset Based Margins Ant Reagents At Reales		406 39 -	\$ \$ \$	79,493 96,219 (46,882)	\$ \$ \$	79,454 96,219 (46,882)	204879.44% 0 0	Effective July 2022 - Docket No. E017/GR-20-719
166 167 168 169 170 171 172 173	Steam Pla Steam/Wa	Fuel Costs Asset Based Margins ant Reagents		406 39 -	\$ \$	79,493 96,219	\$ \$ \$	79,454 96,219	204879.44% 0 0	
166 167 168 169 170 171 172 173 174	Steam Planning	Fuel Costs Asset Based Margins Ant Reagents At Reales		<u>406</u> 39 - -	\$ \$ \$ \$	79,493 96,219 (46,882)	\$ \$ \$ \$	79,454 96,219 (46,882) (767,551)	204879.44% 0 0 0	Effective July 2022 - Docket No. E017/GR-20-719

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

Att2 Rate CalculationMN OTP Initial Filing 2021-05-03

\$8,978,482.87

			November 202	2 Forecast to Act	ual - N	AWE
			November 2022		uai - N	
		-	Forecast	Actual		Notes
Line 1	Plant Ger	neration Big Stone	[PROTECTED DAT	A BEGINS		<u> </u>
2		Coyote	_			
3 4		Hoot Lake #2 Hoot Lake #3	_			Hoot Lake plant closed in May 2021
5			PRO	TECTED DATA E	NDS]	
6		Total Coal	89,721			
8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9		Ashtabula Wind	_	_		
10 11		Luverne Wind Merricourt	_	-		
12			PRO	TECTED DATA E	NDS]	
13 14		Total Wind	94,400	90,034		
14		Total Hydro	1,644	106		
16 17		lamaataum 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 1 Jamestown 2				
19		Lake Preston	_			
20 21		Total Oil - Peaking Units	PRO -	TECTED DATA E	NDS	
22			[PROTECTED DAT	A BEGINS		
23 24		Natural gas - Solway Natural gas - Astoria		-		
25				TECTED DATA E	NDS]	
26 27		Total Natural Gas	213 [PROTECTED DAT			
28		Solar - Blue Jay				
29 30		Solar - Blue Heron	PPO	TECTED DATA E	NDS1	
31		Total Solar	PRO -	4		
32 33		Total OTP-Owned	185,977	189.554		
34			185,977	189,554		
35		e Market Charges				
36 37		MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A		<u> </u>
38	555.04	DA FBT Loss Amount	N/A	N/A		
39 40	555.09	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A	<u> </u>	
41	555.24	RT Distribution of Losses Amount	N/A	N/A		
42	555.21	RT FBT Loss Amount	N/A N/A	N/A N/A		
43 44		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
45	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
46 47		DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52		DA FBT Congestion Amount	N/A	N/A		
53 54	555.2	DA Congestion RT FBT Congestion Amount	N/A N/A	N/A N/A		
55		RT Congestion	N/A	N/A		
56 57	555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
58	555.17	FTR Yearly Allocation Amount	N/A	N/A		
59 60		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
61	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
62 63		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
65		FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A	N/A		
66 67	555.07 555.1	DA Congestion Repaire on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69 70	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amoun RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A	l —	
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
72 73		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A	 	
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
75 76		RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A	<u> </u>	
77	555.63	DA Ramp Product	N/A	N/A		
	555.64 555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A	<u> </u>	
80	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81 82		RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A	N/A	<u> </u>	
83	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A		
84	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 86		RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A	<u> </u>	
87						
88 89		Total MISO Wholesale Market Charges				<u> </u>
90		SPP Wholesale Market Charges				
91 92	555.19 555.03	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A	<u> </u>	<u> </u>
93	555.09	RT Asset Energy Amount***	N/A	N/A		
94 95	555	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
95 96	555.1	RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A	L	
97		RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98 99	555.15 555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A		<u> </u>
100	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
101 102		DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A	 	
103	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104 105	555.11 555.12	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	N/A N/A	N/A N/A		
106		RT Regulation Non-Performance Distribution Amount	N/A	N/A N/A		
107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
108 109	555.16 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A	l —	
110	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
111 112		RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		<u> </u>
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
114 115	555.28 555.29	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A	<u> </u>]
115	JJJ.29	KT GGREUUIE TAG AITOUIIL	IN/A	IN/A	·	1

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 64 of 78

					-	
		RT Schedule 1A4 Amount	N/A	N/A		
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	-	
133		Day Ahead Spinning Reserve Amount	N/A	N/A	-	
134		Real Time Spinning Reserve Amount	N/A	N/A	-	
135		Spinning Reserve Cost Distribution Amount	N/A	N/A N/A	-	ł
136	<u> </u>	Day Ahead Supplemental Reserve Amount	N/A N/A	N/A N/A		
137		Real Time Supplemental Reserve Amount	N/A N/A	N/A N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A	L	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	L	
141		Real Time Excessive Deficient Energy Deployment Charge Amoun	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
	Purchase	d Power				
150						
151			[PROTECTED DAT	A BEGINS		
		Edgeley PPA	[PROTECTED DAT	A BEGINS		
152		Langdon PPA	[PROTECTED DAT	A BEGINS		
152 153		Langdon PPA Ashtabula III PPA	[PROTECTED DAT	A BEGINS		
152		Langdon PPA	IPROTECTED DAT	A BEGINS - - -		Not Applicable to EAR - Excluded from Total
152 153 154 155		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	IPROTECTED DAT	A BEGINS - - - - -		Not Applicable to EAR - Excluded from Total
152 153 154		Langdon PPA Ashtabula III PPA Tribal (WAPA)	IPROTECTED DAT	A BEGINS - - - - - -		Not Applicable to EAR - Excluded from Total
152 153 154 155		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	IPROTECTED DAT	A BEGINS - - - - - -		Not Applicable to EAR - Excluded from Total
152 153 154 155 156		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads	IPROTECTED DAT	A BEGINS - - - - - - - - - -		Not Applicable to EAR - Excluded from Total
152 153 154 155 156 157		Langdon PPA Ashtabual III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	IPROTECTED DAT	<u>A BEGINS</u> - - - - - - - - - - - - -		Not Applicable to EAR - Excluded from Total
152 153 154 155 156 157 158		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases		A BEGINS - - - - - - - - - - - - - - - - - -		
152 153 154 155 156 157 158 159 160		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases		- - - - - - - - - - - - - - - - - - -	NDS]	MISO and SPP Energy Only
152 153 154 155 156 157 158 159 160 161		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases			NDS]	
152 153 154 155 156 157 158 159 160 161 162		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases			NDS]	MISO and SPP Energy Only
152 153 154 155 156 157 158 159 160 161 162 163	Wind Cur	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases		- - - - - - - - - - - - - - - - - - -	NDS]	MISO and SPP Energy Only
152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases		TECTED DATA EI 315,998 (288)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
152 153 154 155 156 157 158 159 160 161 162 163 164		Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases			NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales		TECTED DATA EI 315,998 (288)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases		TECTED DATA EI 315,998 (288)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs		TECTED DATA EI 315,998 (288)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur Asset Ba	Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales		TECTED DATA EI 315,998 (288)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins		TECTED DATA E 315,998 (288) 13,889	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Eased Sales
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs		TECTED DATA EI 315,998 (288)	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind Cur Asset Ba Steam PI:	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents		TECTED DATA E 315,998 (288) 13,889	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 171	Wind Cur Asset Ba Steam PI:	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins		TECTED DATA E 315,998 (288) 13,889	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Eased Sales
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172	Wind Cur Asset Ba Steam Pl Steam/Wi	Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales		TECTED DATA E 315,998 (288) 13,889	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173	Wind Cur Asset Ba Steam Pl Steam/Wi	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents		TECTED DATA E 315,998 (288) 13,889	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
152 153 154 155 156 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 171 172 173 174	Wind Cur Asset Ba Steam Pl: Steam/W Planning	Langdon PPA Langdon PPA Langdon PPA Ashtabula II PPA Tribal (WAPA) WAPA Energy Imbalance Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues		TECTED DATA E 315,998 (288) 13,889	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022
152 153 154 155 156 156 158 159 160 161 162 163 164 165 166 166 169 170 171 172 173 174	Wind Cur Asset Ba Steam Pl: Steam/W Planning	Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales		TECTED DATA E 315,998 (288) 13,889	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04 Total OTP-Owned Total Purchases - Tribal Excluded (Asset Based Sales) Att8 Rate CalculationMN OTP Initial Filing 2021-05-05 Wind Curtailment



PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 65 of 78

1			November 2022 F	orecast to Actua	l - \$ nor M	Wh
			November 2022 F		r⇒φperivi	
			Forecast	Actual		Notes
	Plant Ger		[PROTECTED DAT	BEGINS		
1 2		Big Stone Coyote	-	-		
3		Hoot Lake #2	_	-		Hoot Lake plant closed in May 2021
4		Hoot Lake #3		-		
5 6		Total Coal	\$ 26.75	PROTECTED DAT \$ 22.36		
7			[PROTECTED DATA	A BEGINS		
8		Langdon Wind		-		
9 10		Ashtabula Wind Luverne Wind	-	-		
11		Merricourt	-	-		
12				PROTECTED DAT	A ENDS]	
13		Total Wind	\$-	\$-		
14 15		Total Hydro	\$ -	s -		
16			PROTECTED DAT			
17		Jamestown 1	- '	-		
18 19		Jamestown 2 Lake Preston	-	-		
20		Laker rooten		PROTECTED DAT	A ENDS	
21		Total Oil - Peaking Units				
22		Natural gas - Solway	[PROTECTED DAT/	A DEGING		
23 24		Natural gas - Astoria	-	-		
25				PROTECTED DAT	A ENDS]	
26 27		Total Natural Gas	\$ 306.92 [PROTECTED DATA	\$ 74.75 A REGINS		
28		Solar - Blue Jay				
29		Solar - Blue Heron		DOTEOTES S		
30 31		Total Solar		PROTECTED DAT \$ -	A ENDS	
32						
33		Total OTP-Owned	\$ 333.67	\$ 97.11		
34 35	Wholess	e Market Charges				
36	moresdi	MISO Wholesale Market Charges				
37	555.02	DA Asset Energy Amount***	N/A	N/A		
	555.04	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
		DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A		
41	555.24	RT Distribution of Losses Amount	N/A	N/A		
42 43	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A		
43		RT Loss Amount	N/A	N/A		
45	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
		DA Losses Rebate on Option B GFA	N/A	N/A		
	555.12 555.32	DA Virtual Energy Amount RT Virtual Energy Amount	N/A N/A	N/A N/A		
49		DA Mkt Admin Amount	N/A	N/A		
50		RT Mkt Admin Amount	N/A	N/A		
51 52		FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
53		DA Congestion	N/A	N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55 56	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
	555.15	FTR Monthly Allocation Amount	N/A	N/A		
58	555.17	FTR Yearly Allocation Amount	N/A	N/A		
		FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
60 61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A	N/A		
62		FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
	555.40	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
	555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
		DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A N/A	N/A N/A		
70	555.3	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
75	555.31	RT Uninstructed Deviation Amount	N/A	N/A		
		RT Demand Response Allocation Uplift Amount DA Ramp Product	N/A N/A	N/A N/A		
78	555.64	RT Ramp Product	N/A	N/A		
79	555.65	RT Schedule 49 Cost Distribution Amount	N/A	N/A		
	555.55 555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
82	555.05	DA Congestion Rebate on COGA	N/A	N/A		
83	555.06	DA Losses Rebate on COGA	N/A	N/A		
84 85	555.22 555.23	RT Congestion Rebate on COGA RT Loss Rebate on COGA	N/A N/A	N/A N/A		
86	555.25	Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A	N/A		
87						
88 89		Total MISO Wholesale Market Charges				
90		SPP Wholesale Market Charges				
91		DA Asset Energy Amount***	N/A	N/A		
92 93		DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
	555	RT Non-Asset Energy Amount	N/A N/A	N/A N/A	1	
95	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
		RT Make-Whole-Payment Distribution Amount	N/A	N/A		
	555.18 555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
		DA Regulation-Up Distribution Amount	N/A	N/A		
		DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
	555.12 555.13	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
	555.14	RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A	1	
108	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
		RT Supplemental Reserve Distribution Amount	N/A	N/A		
	555.2 555.21	RT Pseudo Tie Congestion Amount RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
112	555.23	Miscellaneous Amount	N/A	N/A		
	555.26	ARR Closeout Yearly Amount	N/A	N/A		
		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
115	555.25	Arrochedule TAS Arrount	IVA.	1975		L

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 66 of 78

		DT Osha dada 4A4 Assault				
		RT Schedule 1A4 Amount	N/A	N/A		New shares time in 2022
		DA Ramp Up Distribution Amount	N/A	N/A	L	New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
132			N/A	N/A		
		Short-Term Reserve Cost Distribution Amount				
34		Day Ahead Spinning Reserve Amount	N/A	N/A	L	
35		Real Time Spinning Reserve Amount	N/A	N/A		
36		Spinning Reserve Cost Distribution Amount	N/A	N/A		
137		Day Ahead Supplemental Reserve Amount	N/A	N/A		
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
40		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM	19/3	1975		
145		Total MISO ASM				
145		Total Wholesale Market Charges				
		TOtal Wholesale Market Charges				
147						
148						
	Purchase					
			[PROTECTED DAT	A BEGINS		
151		Edgeley PPA	[PROTECTED DAT	A BEGINS		
151 152		Edgeley PPA Langdon PPA	[PROTECTED DAT	A BEGINS		
151 152 153		Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DAT	A BEGINS		
151 152 153 154		Edgeley PPA Langdon PPA	[PROTECTED DAT - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154		Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DAT - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155		Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	<u>[PROTECTED DAT</u> - - - -	A BEGINS - - - -		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabula III PPA Tibal (WAPA) WAPA Energy Imbalance Shared Loads	<u>[PROTECTED DAT</u> - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157		Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	[PROTECTED DAT - - - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases	IPROTECTED DAT	A BEGINS		
151 152 153 154 155 156 157 158 159		Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen				Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160		Edgaley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases	- - - - - - - - - - - - - -	PROTECTED DAT	TA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases	- - - - - - - - - - - - - -	PROTECTED DAT	A ENDS]	
151 152 153 154 155 156 157 158 159 160 161 162		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases	\$ 22.93	PROTECTED DAT \$ 37.40	A ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases	- - - - - - - - - - - - - -	PROTECTED DAT \$ 37.40	A ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases Total Purchases	\$ 22.93 \$ 33.02	PROTECTED DAT \$ 37.40 \$ 38.28	A ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases	\$ 22.93	PROTECTED DAT \$ 37.40	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment ed Sales	\$ 22.93 \$ 33.02 \$ 30.03	PROTECTED DAT \$ 37.40 \$ 38.28 \$ 32.32	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases Total Purchases	\$ 22.93 \$ 33.02	PROTECTED DAT \$ 37.40 \$ 38.28	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment ed Sales	\$ 22.93 \$ 33.02 \$ 30.03	PROTECTED DAT \$ 37.40 \$ 38.28 \$ 32.32	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment ed Sales	\$ 22.93 \$ 33.02 \$ 30.03	PROTECTED DAT \$ 37.40 \$ 38.28 \$ 32.32	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
51 52 53 54 55 55 55 55 55 55 55 60 61 62 63 64 65 66 66 66	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs	\$ 22.93 \$ 33.02 \$ 30.03 N/A	PROTECTED DA1 \$ 37.40 \$ 38.28 \$ 32.32 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
51 52 53 54 55 55 55 55 55 55 55 60 61 62 63 64 66 66 66 66 66 66	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	\$ 22.93 \$ 23.02 \$ 33.02 \$ 30.03 N/A N/A	PROTECTED DA1 \$ 37.40 \$ 38.28 \$ 32.32 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs	\$ 22.93 \$ 33.02 \$ 30.03 N/A	PROTECTED DA1 \$ 37.40 \$ 38.28 \$ 32.32 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 168 169 170	Wind Cur Asset Ba Steam Pl	Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilatera purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.93 \$ 33.02 \$ 30.03 N/A N/A	PROTECTED DA1 \$ 37.40 \$ 38.28 \$ 32.32 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 170 171	Wind Cur Asset Ba Steam Pl	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	\$ 22.93 \$ 23.02 \$ 33.02 \$ 30.03 N/A N/A	PROTECTED DA1 \$ 37.40 \$ 38.28 \$ 32.32 N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 155 155 155 157 155 157 157 157 157	Wind Cur Asset Ba Steam Pl Steam/W	Edgeley PPA Langdon PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 22.93 \$ 33.02 \$ 33.02 \$ 30.03 NA NA NA	PROTECTED DA1 \$ 37.40 \$ 38.28 \$ 32.32 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 160 161 162 163 164 165 166 167 168 167 168 167 171 1772 1773	Wind Cur Asset Ba Steam Pl Steam/W	Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilatera purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 22.93 \$ 33.02 \$ 30.03 N/A N/A	PROTECTED DA1 \$ 37.40 \$ 38.28 \$ 32.32 N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
166 167 168 169 170 171 172 173 174	Wind Cur Asset Ba Steam Pl Steam/W Planning	Edgeley PPA Langdon PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 22.93 \$ 33.02 \$ 33.02 \$ 30.03 NA NA NA	PROTECTED DA1 \$ 37.40 \$ 38.28 \$ 32.32 N/A N/A N/A N/A N/A	A ENDS)	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 67 of 78

International Control Action 2 Decision Reveau International Control Action 2 Decision Reveau Control Action 2 Control Action 2 Reveau Reveau <th colsp<="" th=""><th></th></th>	<th></th>	
Lue Part Generation PPOTCTED DATA BLORE Head Late grant check in Mag 2021 3 Hoo Late 20 Head Late 20 Head Late 20 Head Late 20 4 Hoo Late 20 PPOTCTED DATA BLORE Head Late 20 Head Late 20 5 Hoo Late 20 PPOTCTED DATA BLORE SelDECTED DATA BLORE Head Late 20 6 Larged virtual PPOTCTED DATA BLORE SelDECTED DATA BLORE Head Late 20 7 Hoo Late 20 Total (Mig 3) SelDECTED DATA BLORE Head Late 20 Head Late 20 7 Hoo Late 20 Total (Mig 3) SelDECTED DATA BLORE Head Late 20 Head Late 20 Head Late 20 7 Hoo Late 20 Total (Mig 3) SelDECTED DATA BLORE Head Late 20 Head Late 20 Head Late 20 7 Hoo Late 20 SelDECTED DATA BLORE SelDECTED DATA BLORE Head Late 20 He		
2 Solver Point Links (arr. down) Point Links (arr. down) Point Links (arr. down) 6 Holds 20 1 400000 400000 400000 6 Links (arr. down) 1 2.22.000 40000 400000 6 Links (arr. down) POINT DATA BASE 400000 400000 400000 6 Links (arr. down) POINT DATA BASE POINT DATA BASE 4000000 10 Links (arr. down) POINT DATA BASE POINT DATA BASE POINT DATA BASE 11 Marcourt Total World \$ \$ \$ 0 11 Marcourt Total World \$ \$ 0 POINT DATA BASE 12 - Total World \$ \$ \$ 0 POINT DATA BASE 13 Links (arr. down) \$ \$ \$ \$ \$ 0 POINT DATA BASE 14 Links (arr. down) \$ \$ \$ \$ \$ POINT DATA BASE POINT DATA BASE POINT DATA BASE		
3 Hold Left 20 Intel Left 20		
S PROTECTED DATA BODS S Langelac Ward PROTECTED DATA BODS PROTECTED DATA BODS S Langelac Ward PROTECTED DATA BODS PROTECTED DATA BODS S Langelac Ward PROTECTED DATA BODS PROTECTED DATA BODS S Langelac Ward Langelac Ward PROTECTED DATA BODS PROTECTED DATA BODS S Langelac Ward Langelac Ward Langelac Ward PROTECTED DATA BODS S Langelac Ward Langelac Ward Langelac Ward Lange		
6 Ten Cost 8 Add2000 8 200,077 5 200,077		
B Lacks / Yrd		
9 Arstald NVId		
11 Meriouri		
Point For the basis		
14 15 5 5 0 15 Jameston 1 POTECTED DATA BEGINS.		
19 Image of the second se		
17 Jamesbort 1 PROTECTED DATA BEOST 20 All Display REDISTING REDISTING 21 REDISTING REDISTING REDISTING 22 REDISTING REDISTING REDISTING 23 REDISTING REDISTING REDISTING 24 REDISTING REDISTING REDISTING 25 REDISTING REDISTING REDISTING 26 REDISTING REDISTING REDISTING REDISTING 28 Schr. Bio Hern		
19 Like Presion		
20 Image: Control of Lange Section 2014 ENDS Image: Control of Lange Section 2014 ENDS 21 Natural gas. Sciency Science Section 2014 ENDS PROTECTED DATA BERNS 22 Natural gas. Sciency Science Section 2014 ENDS PROTECTED DATA ENDS 23 Total Natural Gas. Science Section 2014 ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS 23 Total Natural Gas. Science Section 2014 ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS 24 Natural Gas. Science Section 2014 ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS 24 Science Section 2014 ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS 25 PROTECTED DATA ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS 25 PROTECTED DATA ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS 26 PROTECTED DATA ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS 26 PROTECTED DATA ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS 27 PROTECTED DATA ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS 27 PROTECTED DATA ENDS PROTECTED DATA ENDS PROTECTED DATA ENDS		
PROTECTED DATA BEGINS. PROTECTED DATA BEGINS. 23 Natural gas - Solving 1 24 Natural gas - Autoria 1 25 Natural gas - Autoria 1 26 Total Natural Gas 3 (1) 2POTECTED DATA BEDIN 27 Diter - Bite Intr 1 1Dite Intr 2POTECTED DATA BEGINS. 20 Diter - Bite Intr 1 Diter - Bite Intr POTECTED DATA BEGINS. 20 Diter - Bite Intr Diter - Bite Intr POTECTED DATA BEGINS. Diter - Bite Intr 30 Control - Bite Intr Diter - Bite Intr Diter - Bite Intr Diter - Bite Intr 31 Control - Bite Intr Total OTP-Omeed 4782.783 33350.186 3Diter - Bite Intr 32 Diter - Bite Intr Diter - Bite Intr Diter - Bite Intr Diter - Bite Intr 33 Diter - Bite Intr Diter - Bite Intr Diter - Bite Intr Ditter - Bite Intr 34 Diter - Bite Intr Ditter - Bite Intr Ditter - Bite Intr Ditter - Bite Intr <t< td=""><td></td></t<>		
22 Netrif gas - Solway 1		
22 30(18) 30(18) 1.000,000 1.250,000 30(18) 1.000,000 30(18) 20 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000 1.000,000,000 1.000,000,000,000 1.000,000,000,000,000,000,000,000,000,00		
20 Total Natural Gas 3 340.019 \$ 1.292.440 370.375 20 Solar - Bba Jay PROTECTED JATA BEGMS.		
28 Solar - Bue Jay 30 Formation of the solar of the sol		
20 Statr - Bue Heron		
31 Total OTP-Owner \$		
20 Total OTP-Ome 4,762,783 5 390,76 6 930,76 33 Molessie Market Darges		
34 5 5 5 6 38 MISO Modesale Market Charges 0 Energy Amounts - included/embedded within Market Purct 38 555.09 DA Nonsaste Energy Amount** \$ - 0 39 555.04 DA NET Loss Amount* \$ - 0 Energy Amounts - included/embedded within Market Purct 41 655.14 RT Asset Energy Amount** \$ - \$ - 0 Energy Amount* - included/embedded within Market Purct 42 655.24 RT Asset Energy Amount** \$ (164.250) \$ - 0 Energy Amount* - included/embedded within Market Purct 44 655.24 RT Dost Amount \$ 118.970 \$ 7 10.496 00% 44 RT Loss Amount \$ 18.970 \$ - 0 Dereny Amounts - included/embedded within Market Purct 45 55.01 DA Losse Relate on Option B GFA \$ - 0 Dereny Amounts - included/embedded within Market Purct 46 555.01 DA Matat Energy Amount**		
33 Windesale Marker Charges Image: Ch		
37 555.02 DA Asset Energy Amount" \$ - \$ - C <t< td=""><td></td></t<>		
38 555.04 DA FBT Loss Amounts \$ \$ \$ 0 39 555.00 DA Non-asset Energy Amount** \$ \$ 0 0 Energy Amounts - included/embadded within Market Purd 40 555.10 RT Asset Energy Amount** \$ 1 \$ 0 0 Energy Amounts - included/embadded within Market Purd 41 555.41 RT PET Loss Amount \$ 11624.210 \$ 0 </td <td>hases</td>	hases	
40 555.19 RT Asset Energy Amount*** \$. \$. 0 Denergy Amounts .: included/embedded within Market Purd 41 555.21 RT ETEI Loss Amount \$. \$. \$. 0 42 555.21 RT FET Loss Amount \$. \$. \$. 0 43 DA Loss Amount \$ 149.62 \$ 78.6569 \$.0 0 Energy Amounts .: included/embedded within Market Purd 44 655.28 RT Loss Amount \$ 1.6.76 \$.0 0 Energy Amounts .: included/embedded within Market Purd 47 655.28 DA Loss Amount \$. \$. \$.0 0 48 555.01 DA Mark Amin Amount \$.0 \$.0 1 16.848 Excluded from Total MISO Wholesale Market Charges .N 555.01 DA Mark Amin Amount \$.144 \$ 9.277 \$ (1.571 1.849% Excluded from Total MISO Wholesale Market Charges .N 555.01 DA Mark Amin Amount <td< td=""><td>hases</td></td<>	hases	
42 655.21 RT FBT Loss Amount \$. \$. 0 43 DA Loss Amount \$ 44 RT Loss Amount \$ 18,070 \$ 309,237 80,84% 44 RT Loss Amount \$ 18,070 \$ 0 16,141 \$ 77,163 406,60% 45 555.26 RT Non-Asset Energy Amount*** \$. \$. 0		
43 DA Loss Amount \$ 19,672 \$ 758,859 \$ 339,237 80.84% 44 RT Loss Amount \$ 10,775 \$ 96,141 \$ 77,558,850 \$ 406,076 45 555.26 RT Non-Asset Energy Amount** \$. \$. \$. 0 46 555.06 DA Losses Retargy Amount** \$. \$. \$. 0 47 555.12 DA Virtual Energy Amount \$. \$. \$. 0 48 555.22 RT Virtual Energy Amount \$. \$. \$. 0 49 555.01 DA Mkt Admin Amount \$. \$. \$. 0 50 55.13 FTR Mkt Admin Amount \$. \$. \$. 0 55.13 FTR Mkt Admin Amount \$. \$. \$. 0 0 56.34 98,200 . \$. \$. 0 0 57.35 FTR Mkt Admin Amount \$. \$. \$. 0 0 58.46		
45 555.26 RT Nor-Asset Energy Amount** \$. \$. \$. 0 Clearses Clears Clearses Clearses		
46 555.00 DA Losses Rebate on Option B GFA \$. \$. \$. \$. 0 47 555.12 DA Virtual Energy Anount \$. \$. 0 48 555.22 RT Virtual Energy Anount \$ 0.00 \$ 67.401 \$ 10.00 50 55.18 RT MK Admin Anount \$ 0.00 \$ 67.401 \$ (12.60) -15.43% Excluded from Total MISO Wholesale Market Charges - N 51 55.15 RT MK Admin Anount \$ 2.294 \$ 1.914 \$ (68) -8.22% Excluded from Total MISO Wholesale Market Charges - N 52 55.50 DA Congestion Anount \$ 2.235.648 \$ 2.655.64 66.2% 54 655.24 FIT Moutry Allocation Anount \$ (24.0010)\$ \$ 4.014.94 \$ 4.015.94 \$ 4.015.94 \$ 4.015.94 \$ 4.015.94 \$ 4.015.94 \$ 5.5.5 \$ <td>hases</td>	hases	
448 555.32 RT Virtual Energy Amount \$ - \$ - \$ - \$ - \$ 0 500 555.18 RT Mik Admin Amount \$ 11,414 \$ 9,257 \$ (2,157) -18.89% Excluded from Total MISO Wholesale Market Charges - N 511 555.13 RT Mik Admin Amount \$ - \$ - 0 521 555.13 RT Mik Admin Amount \$ 2.694 \$ 2.066.645 866.26% 53 DA Congestion Amount \$ - \$ - 0 - 0 56 RT Congestion Amount \$ (22,769) \$ (430,710) \$ (33,551) \$ (440,003) \$ (411,5%) - \$ 0 - 5 - 0 - 5 - 0 - 5 - 0 - 5 - 0 - 5 - 0 - - - 0<		
149 555.01 DA Mk Admin Anount \$ 67.410 \$ (12,690) -15.84% Excluded from Total MISO Wholesale Market Charges - N 51 50 555.13 FTR Mk Admin Anount \$ 2,794 \$ (2,157) -16.89% Excluded from Total MISO Wholesale Market Charges - N 52 55.00 > 0 -60 -62 -26.22% Excluded from Total MISO Wholesale Market Charges - N 0 53 DA Congestion Amount \$ 2.74.05 \$ 2.239,850 \$ 2.056,545 866,27% 0 54 55.50 RT Congestion Amount \$ 2.25.10 \$ 4.40,003 \$ (4.01,962) 956,36% - 0 56 55.15 FTR Monthy Allocation Amount \$ (22,01) \$ (4.40,003) \$ (4.40,003 \$ (4.01,962) 956,36% - 0 - 57 55.51 FTR Monthy Allocation Amount \$ (22,01) \$ (24,01,00) \$ (4.40,003 \$ (4.01,962) \$ (24,01,962) \$ (24,01,962) \$ (24,01,962) \$ (24,01,962) \$ (24,01,962)		
15 155.13 FTR Mit Admin Anount \$ 2.55.04 \$ 1.914 \$ (60) -2.62.22% Excluded from Total MISO Wholesale Market Charges - N 52 55.05.0 DA FBT Congestion Anount \$ 2.93.50.0 \$ 2.90.30.0 \$ 2.05.65.45.8 866.26% 54 55.0 RT FGT Congestion Anount \$ 2.01.44.00.031 \$ 4.01.06.29 966.36% - 0 56 55.15 FTR Monthy Allocation Amount \$ (4.20.031) \$ 4.01.06.29 966.36% - 5 - 0 - 56 55.15 FTR Monthy Allocation Amount \$ (23.209) \$ (33.551) \$ (9.843) 41.51% 58 55.35 FTR Monthy Transaction Amount \$ \$ (23.1255) \$ 2.02.55 39.89% 60 355.36 FTR Aunatine Uplit Amount \$ 5 5 (20.915) -40.09% 61 355.35 FTR Auction Revenue Rights Inteastile Uplit Amount \$ 315.506 \$ 7.480.679 \$ 7.65.073 2270.98% 62 355.35 FTR Auna	Iot MN EAR Applicable	
53 DA Congestion \$ 237.405 \$ 2.056.545 866.26% 54 55520 RT EPT Congestion Amount \$ \$ \$ 0 55 RT Congestion Amount \$ (4.440.030) \$ (4.440.030) \$ (4.010) 56 555.15 FTR Monthy Allocation Amount \$ (23.709) \$ (33.551) \$ (9.843) 41.51% 58 565.15 FTR Monthy Transaction Amount \$ (17.502) \$ \$ 0 0 59 565.36 FTR Full Funding Guarantee Aprit Amount \$ (17.502) \$ 17.502 -100.00% 60 555.36 FTR Aurantee Upit Amount \$ (52.170) \$ 17.502 -39.9% 61 555.35 FTR Aurantee Upit Amount \$ (31.255) \$ (20.825) -39.9% 62 555.36 FTR Aurantee Upit Amount \$ (31.5506) \$ 7.480.579 \$ 7.657.510 2224.05% \$ \$ <td>lot MN EAR Applicable</td>	lot MN EAR Applicable	
54 55 RT Congestion Amount \$ \$ \$ \$ 0 55 RT Congestion Amount \$ 251.59 49.874 \$24.715 98.23% 56 555.14 FTR Houthy Allocation Amount \$ (20.310) \$ (4.410,003) \$ (4.015,692) 966.36% 57 555.15 FTR Monthly Allocation Amount \$ (20.37,00) \$ (9.843) 41.51% 58 555.17 FTR Nonthly Transaction Amount \$ (17.502) \$ 17.502 - 0 0 60 555.35 FTR Aurantee Uplit Amount \$ (52.081) \$ (20.2515) 224.05% 61 555.37 FTR Aurantee Uplit Amount \$ 31.265 \$ (20.573) 227.08% 62 555.38 FTR Anual Transaction Amount \$ 31.500 \$ 7.480.573 \$ 7.165.073 2270.98% 64 555.40 FTR Auraion Revenue Rights Infeasible Uplit Amount \$ 31.500 \$ <		
56 55.14 FTR Hourty Allocation Amount \$ (4,40,003) \$ (4,404,003) \$ (4,019,092) 996.36% 57 555.15 FTR Monthy Allocation Amount \$ (23,091) \$ (33,511) \$ (9,843) 41.51% 58 555.36 FTR Monthy Transaction Amount \$ (17,502) \$ \$ 17.502 -100.00% 60 555.36 FTR Aul Funding Guarantee Amount \$ (52,001) \$ (31,255) \$ 20,825 -39.99% 61 555.37 FTR Aurante Uplit Amount \$ (52,001) \$ (7,480,970) \$ (7,165,073) 2270,98% 62 555.38 FTR Anual Transaction Amount \$ (317,882) \$ (108,463) \$ (20,917) (27,053%) 6 555.40 FTR Auction Revence Rights Strassible Uplit Amount \$ 3.399 9,177 \$ 7.105.0% 66 555.40 FTR Averne Sufficiency Guarantee Distribution Amount \$ 2.1644 \$ 9.217<		
57 555.15 FTR Yearly Allocation Amount \$ (33,551) \$ (9,843) 41.51% 58 555.15 FTR Nonthly Transaction Amount \$ - 0 59 555.35 FTR Monthly Transaction Amount \$ (17,502) - \$ 17.502 -100.00% 60 555.35 FTR Full Funding Guarantee Amount \$ (52,081) \$ (17,502) \$ - 0 61 555.37 FTR Guarantee Uplit Amount \$ (52,081) \$ (17,682) \$ (7,483,097) \$ (7,165,275) 2256.39 FTR Auction Revenue Rights Transaction Amount \$ 315,506 \$ 7,480,377) \$ (7,165,275) 2270.99% - - 0 - - 0 - - 0 - - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0		
59 555.35 FTR Monthy Transaction Amount \$ (17,502) . \$ 17,502 . 100,00% 60 555.36 FTR FU Inding Guarantee Amount \$ (52,081) 31,255) \$ 20,251 .39,99% 61 555.37 FTR Guarantee Uplit Amount \$ (52,081) \$ (31,255) \$ 20,2015) .40,09% 62 555.39 FTR Auction Revenue Rights Transaction Amount \$ (317,822) \$ (7,485,073) \$ 27,165,073 .2270,98% 64 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount \$ (317,822) \$ (7,480,579) \$ 7,165,073 .2270,98% 64 555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount \$ (27,544) \$ (108,463) \$ (80,171) 23,75% 66 555.07 DA Revenue Sufficiency Guarantee Distribution Amount \$ 12,644 \$ 2,170 \$ 2,177 \$ 2,876 68 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ 12,644 \$ 2,170 \$ 2,179 \$ 10,000% \$ 12,264 \$ 12,177 \$ 2,876 70 555.32 RT Revenue Sufficiency Guarantee Mak		
60 555.86 FTR Full Funding Guarantee Mark Monout \$ (52,081) \$ (31,255) \$ 20,825 -39,99% 61 555.37 FTR Guarantee Uplit Momout \$ 52,170 \$ 31,255 \$ (7,483,097) \$ (7,165,215) 2254,05% 62 555.39 FTR Anual Transaction Amount \$ (317,882) \$ (7,483,097) \$ (7,165,215) 2224,05% 63 355.38 FTR Anual Transaction Amount \$ (317,882) \$ (7,483,097) \$ (7,165,073) 2270,95% 64 555.40 FTR Anuclin Revenue Rights Intensible Uplit Amount \$ 3,399 \$ 9,197 \$ 5,797 170,35% 65 555.41 FTR Anuclin Revenue Rights Intensible Uplit Amount \$ 2,164 \$ 9,217 2,879 66 555.07 DA Revenue Sufficiency Guarantee Distribution Amount \$ (2,415) \$ (2,444) \$ 9,217 7,287% 68 555.21 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (7,722) \$ 7,722 -00 70 555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (15,936) \$ (12,462) \$ (107,526) 674,73%		
62 555.39 FTR Audion Revenue Rights Transaction Amount \$ (31,782) \$ (7,165,215) 2254,05% 63 555.38 FTR Anual Transaction Amount \$ 315,000 \$ 7,480,070 \$ 7,165,073 2270,99% 64 555.40 FTR Auction Revenue Rights Infeasible Uplift Amount \$ 335,900 \$ 7,480,070 \$ 7,165,073 2270,99% 65 555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount \$ (2,546) \$ (108,463) \$ (80,917) 293,75% 66 555.07 DA Congestion Rebate on Option B GFA \$ - 0 0 67 555.10 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (2,415) \$ (7,644) \$ (5,449) 22,564% 68 555.20 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (7,792) \$ 7,722 100,000% 71 555.42 RT Price Volatility Make Whole Pymt Amount \$ (15,930) \$ (102,3462) \$ (107,526) 674,73% 72 555.28 RT Nervine Neutrality Uplift Amount \$ 4,497 \$ (103,867) \$ (361,484) -761,07% 73		
63 555.38 FTR Annual Transaction Amount \$ 315.506 \$ 7.480.579 \$ 2770.98% 64 555.40 FTR Annual Transaction Revenue Rights Infeasible Uplift Amount \$ 3.399 \$ 9.197 \$ 5.777 \$ 170.53% 65 555.41 FTR Auction Revenue Rights Infeasible Uplift Amount \$ (27,546) \$ (108,463) \$ (80,917) 293.75% 66 555.10 DA Revenue Sufficiency Guarantee Distribution Amount \$ 12,648 \$ 2,1864 \$ 9,217 7 2,87% 68 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ 12,648 \$ 2,1864 \$ 9,217 7 2,87% 69 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ 10,075 \$ 89,287 \$ 7,0212 368.09% 70 555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ 10,075 \$ 89,287 \$ 7,0212 360.09% 71 555.28 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ 1(23,462) \$ (07,526) 674.73% 72 555.28 RT Revenue Neutrality Uplift Amount \$ 47,497 \$ (313,987) \$ (314,844)		
65 555.41 FTR Auction Revenue Rights Stage 2 Distribution Amount \$ (27,546) \$ (108,463) \$ (80,917) 293.75% 66 555.07 DA Congestion Rebate on Option B (5FA \$ - 0 0 67 555.10 DA Revenue Sufficiency Guarantee Distribution Amount \$ 12,648 \$ 221,864 \$ 9,217 72.87% 68 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (2,415) \$ (7,864) \$ (5,449) 225.64% 69 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ 19.075 \$ 89.287 \$ 7.012 386.09% 70 555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (7,792) \$ - \$ 7,792 -100.00% 71 555.25 RT Revenue Nutrality Uplift Amount \$ 12,002 \$ (10,526) \$ (71,73%) - 72 555.28 RT Nevenue Neutrality Uplift Amount \$ 12,002 \$ (11,58) \$ (414) -3.45% 74 555.27 RT Net Inadvertent Amount \$ 845 \$ 37.613 4449.81% 75 555.31		
66 555.07 DA Congestion Rebate on Option B GFA \$ \$ \$ 0 67 555.10 DA Revenue Sufficiency Guarantee Distribution Amount \$ 1.2.648 \$ 2.217 72.87% 68 555.11 DA Revenue Sufficiency Guarantee Distribution Amount \$ 12.648 \$ 2.21644 \$ 2.25.64% 69 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (2.415) \$ (7.864) \$ (5.449) 2.25.64% 69 555.29 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (2.415) \$ (7.792) 306.09% 70 555.28 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (12.3.462) \$ (107.526) 674.73% 72 555.28 RT Revenue Neutrality Upit Amount \$ 474.97 \$ (313.897) \$ (41.44) -3.45% 73 555.25 RT Met Inadventent Amount \$ 845 \$ 33.468 \$ 37.613 4449.81%		
66 555.11 DA Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (7,864) \$ (7,864) \$ (5,449) 225.64% 69 555.28 RT Revenue Sufficiency Guarantee Transa Distribution Amount \$ (9,079) \$ 89.267 \$ 7.721 368.09% 70 555.30 RT Revenue Sufficiency Guarantee Make Whole Pymt Amount \$ (7,722) \$ 89.267 \$ 7.721 368.09% 71 555.24 RT Fine Volatility Make Whole Pymt Amount \$ (17,92) \$ 7.732 -100.00% 72 555.28 RT Revenue Neutrality Uplift Amount \$ (17,924) \$ (313,987) \$ (361,484) -761.07% 72 555.27 RT Net transont \$ 12,002 \$ (11,589) \$ (414) -345% 74 555.27 RT Inter transont \$ 47.497 \$ (313,987) \$ (361,484) -761.07% 75 555.27 RT Met maount \$ 47.497 \$ (313,987) \$ (361,484) -761.07% 75 555.27 RT Met maount \$ 4845 \$ 30,463 \$ 37,613 4449.81% 75 555.69 RT Demand Response Al		
69 555.29 RT Revenue Sufficiency. Guarantee First Pass Distribution Amount \$10,75 \$8,9287 \$70,212 386,09% 70 555.30 RT Revenue Sufficiency. Guarantee Make Whole Pymt Amount \$(7,72) \$ \$772 \$100,00% 71 555.42 RT Price Volatility Make Whole Payment \$(15,936) \$(123,462) \$(107,526) 674,73% 72 555.23 RT Revenue Neutraity Uplit Amount \$4,497 \$(313,987) \$(361,484) -761,07% 73 555.25 RT Mex Amount \$12,002 \$11,569 \$(414) -3.45% 74 555.27 RT Net Inadvertent Amount \$45 \$3,8458 \$37,613 4449,81% 75 555.51 RT Demand Response Allocation Uplift Amount \$2,526 \$17,556 \$0,00 76 555.59 RT Ramp Product \$39,266 \$157,5 \$(9,099) -80,30% 77 555.64 RT Ramp Product \$101 \$2,266,47% \$2,266,47% 79 555.65 RT Asim Non-Excessive Energy Amount*** \$2,52,52 \$2,52,53		
171 555.42 RT Price Volatility Make Whole Payment \$ (15.938) \$ (107.526) 674.73% 72 555.28 RT Revenue Neutratiity Uplit Amount \$ 47.497 \$ (313.987) \$ (361.484) -761.07% 73 555.25 RT Misc Amount \$ 12,002 \$ 11,838 \$ (414) -3.45% 74 555.27 RT Net Inadvertent Amount \$ 12,002 \$ 11,838 \$ (414) -3.45% 74 555.27 RT Net Inadvertent Amount \$ 484 \$ 38,458 \$ 37,613 4449.81% 75 555.51 RT Demand Response Allocation Uplift Amount \$ -2.5 - 0 0 76 555.56 DA Ramp Product \$ (395) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) \$ (2.944) </td <td></td>		
173 555.25 RT Milsc Amount \$ 11,589 \$ (414) -3.45% 174 555.27 RT Net Inadvertent Amount \$ 845 \$ 38,458 \$ 37,613 4449.81% 175 555.51 RT Uninstructed Deviation Amount \$ - \$ - \$ - 0 176 555.55 RT Demand Response Allocation Uplift Amount \$ 9,256 \$ 157 \$ (9,099) -98.30% 177 555.66 DA Ramp Product \$ (335) \$ (294) \$ 101 -25.66% 178 555.56 RT Ramp Product \$ (10) \$ (2,944) \$ (2,934) 28706.47% 179 555.66 RT Schedule 49 Cost Distribution Amount \$ 10.804 \$ 20,222 \$ 9,418 87.17% 80 555.55 RT ASM Non-Excessive Energy Amount*** \$ - \$ - \$ - 0 Energy Amount*- included/embedded within Market Purch 81 555.56 RT ASM Excessive Energy Amount*** \$ - \$ - 0 Energy Amount*- included/embedded within Market Purch 82 555.55 DA ASM Excessive Energy Amount*** \$ - \$ - 0 Energy Amount*- included/embedded within Market Purch		
T4 555.27 RT Net Inadvertent Amount \$ 845 \$ 38,458 \$ 37,613 4449.81% 75 555.53 RT LINIStructed Deviation Amount \$ \$ \$ 0 0 76 555.53 RT Demand Response Allocation Uplift Amount \$ 9,256 \$ - 0 76 555.50 RT Amp Product \$ (395)<\$		
T6 555.59 RT Demand Response Allocation Uplift Amount \$ 9,256 \$ 157 \$ (9,099) -98,30% 77 555.65 DA Ramp Product \$ (395) \$ (294) \$ 101 -25.66% 78 555.64 RT Ramp Product \$ (10) \$ (2,944) \$ (2,934) 28766.47% 79 555.65 RT Schedule 49 Cost Distribution Amount \$ 0,804 \$ 20,222 \$ 9,418 87.17% 80 555.56 RT ASM Non-Excessive Energy Amount*** \$ - \$ - \$ - 0 Energy Amounts - included/embedded within Market Purct 81 555.56 RT ASM Kxcessive Energy Amount*** \$ - \$ - 0 Energy Amounts - included/embedded within Market Purct 82 555.50 DA Compstion Rebate on COGA \$ - \$ - 0 0		
T7 555.63 DA Ramp Product \$ (294) \$ (101 -25.66% T8 555.64 RT Ramp Product \$ (101) \$ (2944)<		
79 555.65 RT Schedule 49 Cost Distribution Amount \$ 10,804 \$ 20,222 \$ 9,418 87.17% 80 555.55 RT ASM Non-Excessive Energy Amount** \$ - \$ - \$ - 0 Energy Amounts - included/embedded within Market Purch 81 555.55 RT ASM Excessive Energy Amount** \$ - \$ - \$ - 0 Energy Amounts - included/embedded within Market Purch 82 555.05 DA Congestion Rebate on COGA \$ - \$ - \$ - 0		
80 555.55 RT ASM Non-Excessive Energy Amount*** \$ \$ \$ 0 Energy Amounts - included/embedded within Market Purch 81 555.56 RT ASM Excessive Energy Amount*** \$ \$ \$ 0 Energy Amounts - included/embedded within Market Purch 82 555.05 DA Congestion Rebate on COGA \$ \$ \$ 0 Energy Amounts - included/embedded within Market Purch		
82 55.05 DA Congestion Rebate on COGA \$ - \$ - 0		
	nases	
85 55.23 RT Loss Rebate on COGA \$ - \$ - 0		
86 Net Congestion and Losses Adjustment & No DA Generation Schedu - \$ 55,561 \$ 55,561 0 87		
88 Total MISO Wholesale Market Charges \$ 144,569 \$ (2,136,482) \$ (2,281,051) -1577.82% Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Abov	ve)	
89 SPP Wholesale Market Charges		
91 555.19 DA Asset Energy Amount*** \$ - \$ - 0 Energy Amounts - included/embedded within Market Purch	hases	
192 555.03 DA Non-asset Energy Amount \$ -	hases	
94 555.00 RT Non-Asset Energy Amount \$ - \$ - \$ - 0		
35 555.02 DA Make-Whole-Payment Distribution Amount \$ \$ \$ > \$ 0 36 555.10 RT Make-Whole-Payment Distribution Amount \$ 235 \$ (200) \$ (443) -188.46%		
97 555.18 RT Revenue Sufficiency Guarantee Distribution Amount \$ - \$ 0		
98 555.15 RT Revenue Neutrality Uplift Distribution Amount \$ 22 \$ (59) \$ (80) -364.03% 99 555.04 DA Regulation-Down Distribution Amount \$ 15 \$ 0 \$ (15) -99.47%		
100 555.05 DA Regulation-Up Distribution Amount \$ 27 \$ 0 \$ (27) -99.34%		
101 555.06 DA Spinning Reserve Distribution Amount \$ 29 \$ 0 \$ (29) -99.28% 102 555.07 DA Supplemental Reserve Distribution Amount \$ 4 \$ 0 \$ (3) -99.43%		
103 555.08 RT Contingency Reserve Deployment Failure Amount \$ (0) \$ - \$ 0 -100.00%		
104 555.11 RT Over-Collected Losses Distribution Amount \$ (9,912) \$ (26,325) \$ (16,413) 165.59% 105 555.12 RT Regulation-Down Distribution Amount \$ (0) \$ - \$ 0 -100.00%		
106 555.13 RT Regulation Non-Performance Distribution Amount \$ (0) \$ (0) \$ 0 -96.81%		
108 555.16 RT Spinning Reserve Distribution Amount \$ (0) \$ - \$ 0 -100.00%		
109 555.17 RT Supplemental Reserve Distribution Amount \$ (0) \$ > 0 100.00% 110 555.20 RT Pseudo Tie Congestion Amount \$ (86,490) \$ (303,103) 350.45%		
111 555.21 RT Pseudo Tie Loss Amount \$ (22,530) \$ (4,815) \$ 17,715 -78.63%		
112 555.23 Miscellaneous Amount \$ (5) \$ (4) \$ 1 -17.95% 113 555.26 ARR Closeout Yearly Amount \$ - \$ 0		
114 555.28 RT Demand Reduction Distribution Amount \$ (0) \$ 0 \$ 0 -1627.27%		
115 555.29 RT Schedule 1A3 Amount \$ 3 \$ 0 \$ (3) -94.27%		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 68 of 78

		RT Schedule 1A4 Amount	\$	18		0		(18)	-99.23%	
117	555.31	DA Ramp Up Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$	-	\$	-	\$	-	0	New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$	-	\$	-	\$	-		New charge type in 2022
120	555.34	RT Ramp Up Distribution Amount	\$	-	\$	-	S	-	0	New charge type in 2022
		RT Ramp Down Distribution Amount	\$		Š		Š			New charge type in 2022
122		DA GFA Carve Out Distribution Deployment Daily Amount	\$	14	ŝ	(0)		(14)		now onlige type in LoLL
123		DA GFA Carve Out Distribution Deployment Monthly Amount	\$	-	ŝ	(0)		(0)	-100.13/0	
123		DA GFA Carve Out Distribution Deployment Yearly Amount	\$		\$	- (0)	ŝ	- (0)	0	
	555.27									
125		Total SPP Wholesale Market Charges	\$	(123,325)	\$	(421,003)	\$	(297,678)	241.38%	
126		1//04 10//					_			
127		MISO ASM								
128		Day Ahead Regulation Amount	\$	(77,851)		(16,512)		61,339	-78.79%	
129		Real Time Regulation Amount	\$	21,255	\$	(57,374)		(78,629)	-369.93%	
130		Regulation Cost Distribution Amount	\$	17,016	Ş	32,126		15,110	88.80%	
131		Day Ahead Short-Term Reserve Amount	\$	-	\$	(17,251)		(17,251)	0	
132		Real Time Short-Term Reserve Amount	\$	-	\$	(82,139)	\$	(82,139)	0	
133		Short-Term Reserve Cost Distribution Amount	\$	-	\$	107,495		107,495	0	
134		Day Ahead Spinning Reserve Amount	\$	(11.272)	Š	(5,249)		6.022	-53.43%	
135		Real Time Spinning Reserve Amount	\$	547	\$	(104,688)		(105,236)	-19227.77%	
136		Spinning Reserve Cost Distribution Amount	ŝ	9.090	ŝ	33,319		24,229	266.56%	
137		Day Ahead Supplemental Reserve Amount	\$	(7,355)	\$	(25,001)		(17,646)	239.90%	
137		Real Time Supplemental Reserve Amount	ş	2,492	پ \$	307,701		305,209	12245.39%	
138		Supplemental Reserve Cost Distribution Amount	э S	1.894	э \$	(383)		(2,278)	-120.23%	
									-120.23%	
140		Contingency Reserve Deployment Failure Charge Amount	\$	-	Ş	81,178		81,178	0	
141		Real Time Excessive Deficient Energy Deployment Charge Amount	\$	2,572	\$	1,868		(704)	-27.39%	
142		Short-Term Reserve Deployment Failure Charge Amount	\$	-			\$	-	0	
143		Net Regulation Adjustment Amount	\$	1,676	\$	(16,231)		(17,907)	-1068.18%	
144		Total MISO ASM	\$	(39,935)	\$	238,859	\$	278,794	-698.12%	
145										
146		Total Wholesale Market Charges	\$	(13,937)	\$	(2,318,626)	\$	(2,304,689)	16537.00%	
147										
148										
149	Purchase	d Power								
150			[PROT	ECTED DAT	A BI	GINS				
151		Edgeley PPA					_			
152		Langdon PPA	t i							
153		Ashtabula III PPA	+							
153		Tribal (WAPA)	-							Not Applicable to EAR - Excluded from Total
			-							Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance	-							
156		Shared Loads	F							
157		Small Co-gen	L							
158		Bilateral purchases	L							
159		Market Purchases			-		_			MISO and SPP Energy Only
160									ED DATA ENDS]	
161		Total Purchases	\$	7,043,071	\$	24,709,953	\$	17,666,882	250.84%	Tribal (WAPA) excluded from Total
162										
	Wind Cur	tailment	\$	(11,633)	\$	148,176	\$	159,809	-1373.72%	
164				, ,,	<u> </u>	.,	<u> </u>			
	Asset Bas	sed Sales	\$	790.544	\$	4.070.437	\$	3.279.892	414 89%	Credit to MN FCA Calculation - Subtracted from Total
166		Fuel Costs	ŝ	576.625		1.251.840		675.215	117.10%	
166		Asset Based Margins	s	213,919		2,818,596		2.604.677	1217.60%	
167		ASSEL DASEU MALYINS	ę	213,919	- Ŷ	2,010,090	Ŷ	2,004,077	1217.00%	
	O1	and December	<u>^</u>			04 070		04 075	-	Effective late 2020 Destat No. E017/OD 00 740
		ant Reagents	\$	-	\$	91,376	\$	91,376	0	Effective July 2022 - Docket No. E017/GR-20-719
	Steam Fia				1					
170										
170 171	Steam/Wa		\$	-	\$	(29,637)	\$	(29,637)	0	Effective July 2022 - Docket No. E017/GR-20-719
170 171 172	Steam/Wa	ater Sales	Ť	-						
170 171 172 173	Steam/Wa		\$ \$	•	\$ \$	(29,637) (869,891)		(29,637) (869,891)		Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022
170 171 172 173 174	Steam/Wa Planning	ater Sales	\$	-	\$		\$	(869,891)	0	

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

Att2 Rate CalculationMN OTP Initial Filing 2021-05-03

\$10,989,739.64

			December 202	2 Forecast to Act	ual - N	1Wb
				December 2022		
			Forecast	Actual		Notes
Line 1	Plant Ger	Big Stone	[PROTECTED DAT	A BEGINS	-	<u> </u>
2		Coyote		-		
3 4		Hoot Lake #2 Hoot Lake #3				Hoot Lake plant closed in May 2021
5				TECTED DATA E		
6 7		Total Coal	188,768			
8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9		Ashtabula Wind		-		
10 11		Luverne Wind Merricourt				
12				TECTED DATA E	NDS]	
13 14		Total Wind	100,636	87,687		
15		Total Hydro	1,699	411		
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 2		-		
19		Lake Preston		TECTED DATA E		
20 21		Total Oil - Peaking Units	-	236	NDS	
22		Natural and Only and	[PROTECTED DAT	A BEGINS		
23 24		Natural gas - Solway Natural gas - Astoria				
25				TECTED DATA E	NDS]	
26 27		Total Natural Gas	9,835 [PROTECTED DAT	22,650 A BEGINS		
28		Solar - Blue Jay				
29 30		Solar - Blue Heron	PPO	TECTED DATA E	NDS1	
31		Total Solar	FRU	2		
32 33		Total OTP-Owned	300,937	191,441	<u> </u>	
34			300,937	131,441		
35		e Market Charges MISO Wholesale Market Charges		-	[
36 37	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	N/A	N/A	L	
38	555.04	DA FBT Loss Amount	N/A	N/A		
39 40	555.19	DA Non-asset Energy Amount*** RT Asset Energy Amount***	N/A N/A	N/A N/A	-	
41	555.24	RT Distribution of Losses Amount	N/A	N/A		
42 43	555.21	RT FBT Loss Amount DA Loss Amount	N/A N/A	N/A N/A	<u> </u>	
44		RT Loss Amount	N/A	N/A		
45	555.26	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A	N/A		
46 47	555.08 555.12	DA Losses Repare on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53		DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55 56	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
50	555.14	FTR Monthly Allocation Amount	N/A	N/A		
		FTR Yearly Allocation Amount	N/A	N/A		
59 60		FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	N/A N/A	N/A N/A		
61	555.37	FTR Guarantee Uplift Amount	N/A	N/A		
		FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	N/A N/A	N/A N/A		
64	555.40	FTR Auction Revenue Rights Infeasible Uplift Amount	N/A	N/A		
	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	N/A N/A	N/A N/A		
67	555.07 555.1	DA Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amoun RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A	-	
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
72 73		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		<u> </u>
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
	555.31 555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A	<u> </u>	
77	555.63	DA Ramp Product	N/A	N/A		
78 79	555.64 555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
80	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81	555.56	RT ASM Excessive Energy Amount***	N/A	N/A	Ē	
	555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A N/A	N/A N/A	-	
84	555.22	RT Congestion Rebate on COGA	N/A	N/A		
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sche	N/A N/A	N/A N/A	<u> </u>	
87			IN/A	IN/A		
88 89		Total MISO Wholesale Market Charges			<u> </u>	
90		SPP Wholesale Market Charges				
91 92	555.19	DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A N/A	N/A N/A	<u> </u>	
93	555.09	RT Asset Energy Amount***	N/A	N/A	L	
94	555	RT Non-Asset Energy Amount	N/A	N/A		
95 96	555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A	L	
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	N/A	N/A		
98 99		RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	N/A N/A	N/A N/A	-	
100	555.05	DA Regulation-Up Distribution Amount	N/A	N/A		
	555.06 555.07	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A	<u> </u>	
103	555.08	RT Contingency Reserve Deployment Failure Amount	N/A	N/A		
104	555.11	RT Over-Collected Losses Distribution Amount	N/A	N/A		
		RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	N/A N/A	N/A N/A		
107	555.14	RT Regulation-Up Distribution Amount	N/A	N/A		
	555.16 555.17	RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	N/A N/A	N/A N/A		
110	555.2	RT Pseudo Tie Congestion Amount	N/A	N/A		
111 112	555.21	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A	<u> </u>	
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
114	555.28	RT Demand Reduction Distribution Amount	N/A	N/A		
115	555.29	RT Schedule 1A3 Amount	N/A	N/A	L	1

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 70 of 78

						1
		RT Schedule 1A4 Amount	N/A	N/A		
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
133		Short-Term Reserve Cost Distribution Amount	N/A	N/A	1	
133		Day Ahead Spinning Reserve Amount	N/A	N/A	1	
134		Real Time Spinning Reserve Amount	N/A	N/A	1	
135		Spinning Reserve Cost Distribution Amount	N/A	N/A	1	<u> </u>
136		Day Ahead Supplemental Reserve Amount	N/A N/A	N/A N/A		
137	-	Real Time Supplemental Reserve Amount	N/A N/A	N/A		
					<u> </u>	
139	<u> </u>	Supplemental Reserve Cost Distribution Amount	N/A	N/A	<u> </u>	
140		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A	<u> </u>	
141		Real Time Excessive Deficient Energy Deployment Charge Amoun	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
144		Total MISO ASM				
145						
146		Total Wholesale Market Charges				
147						
148						
	Purchase	ed Power				
150						
151			[PROTECTED DAT	A BEGINS		
152		Edgeley PPA	[PROTECTED DAT	A BEGINS		
		Langdon PPA		A BEGINS		
153				A BEGINS		
153 154		Langdon PPA Ashtabula III PPA Tribal (WAPA)		A BEGINS		Not Applicable to EAR - Excluded from Total
154 155		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance		A BEGINS		Not Applicable to EAR - Excluded from Total
154		Langdon PPA Ashtabula III PPA Tribal (WAPA)		A BEGINS		Not Applicable to EAR - Excluded from Total
154 155		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance		A BEGINS		Not Applicable to EAR - Excluded from Total
154 155 156 157		Langdon PPA Ashtabual III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen		<u>A BEGINS</u>		Not Applicable to EAR - Excluded from Total
154 155 156 157 158		Langdon PPA Ashitabula III PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases		A BEGINS		
154 155 156 157		Langdon PPA Ashtabual III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen		A BEGINS	NDS1	Not Applicable to EAR - Excluded from Total
154 155 156 157 158 159 160		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smatl Co-gen Bilateral purchases Market Purchases Market Purchases		TECTED DATA E	NDS]	MISO and SPP Energy Only
154 155 156 157 158 159 160 161		Langdon PPA Ashitabula III PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases			NDS]	
154 155 156 157 158 159 160 161 162		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Snared Loads Snared Loads Market Purchases Market Purchases Market Purchases Total Purchases		TECTED DATA E 485,558	NDS]	MISO and SPP Energy Only
154 155 156 157 158 159 160 161 162 163	Wind Cur	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Snared Loads Snared Loads Market Purchases Market Purchases Market Purchases Total Purchases		TECTED DATA E	NDS]	MISO and SPP Energy Only
154 155 156 157 158 159 160 161 162 163	Wind Cur	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases		TECTED DATA E 485,558 4,442	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
154 155 156 157 158 159 160 161 162 163		Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases		TECTED DATA E 485,558	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total
154 155 156 157 158 159 160 161 162 163 164 165	Wind Cur	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases tailment sed Sales		TECTED DATA E 485,558 4,442	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
154 155 156 157 158 159 160 161 162 163	Wind Cur	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Smail Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases Total Purchases		TECTED DATA E 485,558 4,442	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs		TECTED DATA E 485,558 4,442	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
154 155 156 157 158 159 160 161 162 163 164 165 166 167	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases Total Purchases tailment sed Sales		TECTED DATA E 485,558 4,442	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	PRO 254,055 (352) 24,045	TECTED DATA E 485,558 4,442 14,743	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Eased Sales
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169	Wind Cur Asset Ba	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs		TECTED DATA E 485,558 4,442	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170	Wind Cur Asset Ba Steam Pl:	Langdon PPA Langdon PPA Astribula III PPA Tribal (WAPA) WAPA Energy Imbalance Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents		TECTED DATA E 485,558 4,442 14,743	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
154 155 156 157 158 159 160 161 162 163 166 166 166 166 167 168 169 171	Wind Cur Asset Ba Steam Pl:	Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Smarl Loads Small Co-gen Bilateral purchases Market Purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	PRO 254,055 (352) 24,045	TECTED DATA E 485,558 4,442 14,743	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Eased Sales
154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 170 171 172	Wind Cur Asset Ba Steam Pl Steam/Wi	Langdon PPA Langdon PPA Astribula III PPA Tribal (WAPA) WAPA Energy Imbalance Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales		TECTED DATA E 485,558 4,442 14,743	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Elfective July 2022 - Docket No. E017/GR-20-719 Elffective July 2022 - Docket No. E017/GR-20-719
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173	Wind Cur Asset Ba Steam Pl Steam/Wi	Langdon PPA Langdon PPA Astribula III PPA Tribal (WAPA) WAPA Energy Imbalance Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents		TECTED DATA E 485,558 4,442 14,743	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
154 155 156 157 158 159 160 161 163 164 165 166 166 167 168 169 170 171 172 173 174	Wind Cur Asset Ba Steam Pla Steam/W Planning	Langdon PPA Langdon PPA Ashibula III PPA Tribal (WAPA) WAPA Energy Imbalance Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues		TECTED DATA E 485,558 4,442 14,743	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 Effective July 2022
154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 167 168 167 170 171 172 173 174	Wind Cur Asset Ba Steam Pla Steam/W Planning	Langdon PPA Langdon PPA Astribula III PPA Tribal (WAPA) WAPA Energy Imbalance Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales		TECTED DATA E 485,558 4,442 14,743	NDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Credit to MN FCA Calculation - Subtracted from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Elfective July 2022 - Docket No. E017/GR-20-719 Elffective July 2022 - Docket No. E017/GR-20-719

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04 Total OTP-Owned Total Purchases - Tribal Excluded (Asset Based Sales) Att8 Rate CalculationMN OTP Initial Filing 2021-05-05 Wind Curtailment



PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 71 of 78

1			December 2022 F	orecast to Actua	- \$ nor M	Wh
			December 2022		- oper m	
			Forecast	Actual		Notes
Line 1	Plant Ger		[PROTECTED DAT	A BEGINS		
2		Big Stone Coyote	-			
3		Hoot Lake #2	-			Hoot Lake plant closed in May 2021
4		Hoot Lake #3		PROTECTED DAT		
6		Total Coal			AENDO	
7			[PROTECTED DAT			
8		Langdon Wind Ashtabula Wind	-			
10		Luverne Wind	-			
11		Merricourt	-			
12 13		Total Wind	s -	PROTECTED DAT \$ -	A ENDS]	
14				Ŷ		
15		Total Hydro		\$ -		
16 17		Jamestown 1	PROTECTED DAT	A BEGINS		
18		Jamestown 2	-			
19 20		Lake Preston		PROTECTED DAT		
20		Total Oil - Peaking Units			A LINDS	
22			[PROTECTED DAT	A BEGINS		
23 24		Natural gas - Solway Natural gas - Astoria	-	-		
25				PROTECTED DAT	A ENDS]	
26 27		Total Natural Gas	\$ 34.59 [PROTECTED DAT/	\$ 70.64		
28		Solar - Blue Jay	IPROTECTED DAT	A DEGINS		
29		Solar - Blue Heron		-		
30 31		Total Solar	s -	PROTECTED DAT	A ENDS]	
32						
33		Total OTP-Owned	\$ 58.02	\$ 97.60		
34 35	Wholesal	e Market Charges				
36		MISO Wholesale Market Charges				
37 38	555.02	DA Asset Energy Amount*** DA FBT Loss Amount	N/A N/A	N/A N/A		
38	555.04 555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
40	555.19	RT Asset Energy Amount***	N/A	N/A		
41 42	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A		
43	333.21	DA Loss Amount	N/A	N/A		
44	FFF 00	RT Loss Amount	N/A	N/A		
	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
47	555.12	DA Virtual Energy Amount	N/A	N/A		
48		RT Virtual Energy Amount	N/A	N/A		
49 50		DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53		DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
	555.2	RT FBT Congestion Amount	N/A	N/A		
55		RT Congestion	N/A	N/A		
	555.14 555.15	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
58		FTR Yearly Allocation Amount	N/A	N/A		
		FTR Monthly Transaction Amount	N/A	N/A		
60 61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
		FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
	555.1 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	N/A	N/A		
		RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
		RT Price Volatility Make Whole Payment RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
73	555.25	RT Misc Amount	N/A	N/A		
		RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A	N/A N/A		
76	555.59	RT Demand Response Allocation Uplift Amount	N/A	N/A		
77	555.63	DA Ramp Product	N/A	N/A		
	555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
80	555.55	RT ASM Non-Excessive Energy Amount***	N/A	N/A		
81 82		RT ASM Excessive Energy Amount*** DA Congestion Rebate on COGA	N/A N/A	N/A N/A		
83	555.06	DA Losses Rebate on COGA	N/A	N/A		
84		RT Congestion Rebate on COGA	N/A	N/A		
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Schedul	N/A N/A	N/A N/A		
87			N/A	17/8		
88		Total MISO Wholesale Market Charges				
89 90		SPP Wholesale Market Charges				
91		DA Asset Energy Amount***	N/A	N/A		
92 93	555.03 555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
94	555	RT Non-Asset Energy Amount	N/A	N/A		
	555.02	DA Make-Whole-Payment Distribution Amount	N/A	N/A		
	555.1 555.18	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
98	555.15	RT Revenue Neutrality Uplift Distribution Amount	N/A	N/A		
99 100		DA Regulation-Down Distribution Amount DA Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
101	555.06	DA Spinning Reserve Distribution Amount	N/A	N/A		
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
		RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
105	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
	555.13	RT Regulation Non-Performance Distribution Amount	N/A	N/A		
	555.14 555.16	RT Regulation-Up Distribution Amount RT Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		
109	555.17	RT Supplemental Reserve Distribution Amount	N/A	N/A		
		RT Pseudo Tie Loss Amount	N/A N/A	N/A N/A		
111 112	555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
		RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
	300.20	stbade interniteant	IN/A	IN/A		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 72 of 78

116		DT Och e delle 444 Are event				
447		RT Schedule 1A4 Amount	N/A	N/A		New shares to a la 0000
		DA Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		DA Ramp Down Distribution Amount	N/A	N/A	L	New charge type in 2022
		RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
		RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
123		DA GFA Carve Out Distribution Deployment Monthly Amount	N/A	N/A		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	N/A	N/A		
125		Total SPP Wholesale Market Charges				
126						
127		MISO ASM				
128		Day Ahead Regulation Amount	N/A	N/A		
129		Real Time Regulation Amount	N/A	N/A		
130		Regulation Cost Distribution Amount	N/A	N/A		
131		Day Ahead Short-Term Reserve Amount	N/A	N/A		
132		Real Time Short-Term Reserve Amount	N/A	N/A		
132			N/A	N/A N/A		
		Short-Term Reserve Cost Distribution Amount				
34		Day Ahead Spinning Reserve Amount	N/A	N/A		
35		Real Time Spinning Reserve Amount	N/A	N/A		
36		Spinning Reserve Cost Distribution Amount	N/A	N/A	I	
37		Day Ahead Supplemental Reserve Amount	N/A	N/A	I	
138		Real Time Supplemental Reserve Amount	N/A	N/A		
139		Supplemental Reserve Cost Distribution Amount	N/A	N/A		
40		Contingency Reserve Deployment Failure Charge Amount	N/A	N/A		
141		Real Time Excessive Deficient Energy Deployment Charge Amount	N/A	N/A		
142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
143		Net Regulation Adjustment Amount	N/A	N/A		
44		Total MISO ASM	19/3	1WA		
44		Total MISO ASM				
145		Total Wholesale Market Charges				
140		Total Wholesale Market Charges				
148	Purchase					
149						
180	Fulchase					
150	Fulchase		[PROTECTED DAT	A BEGINS		
151	Furchase	Edgeley PPA	[PROTECTED DAT	A BEGINS		
151 152	Fulchase	Edgeley PPA Langdon PPA	[PROTECTED DAT	A BEGINS		
151 152 153	Fulchase	Edgeley PPA Langdon PPA Ashtabula III PPA	[PROTECTED DAT	A BEGINS		
151 152 153 154	Furchase	Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	[PROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155	Furchase	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance	IPROTECTED DAT	A BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154	Furchase	Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA)	IPROTECTED DAT	A BEGINS - - - -		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156		Edgeley PPA Langdon PPA Ashtabula III PPA Thal (WAPA) WAPA Energy Imbalance Shared Loads	[PROTECTED DAT - - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157		Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	<u>IPROTECTED DAT</u> - - - - - -	A BEGINS		Not Applicable to EAR - Excluded from Total
151 152 153 154 155 156 157 158		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases	<u>IPROTECTED DAT</u> - - - - - - -	A BEGINS		
151 152 153 154 155 156 157 158 159		Edgeley PPA Langdon PPA Ashtabua III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen	- - - - - - - -			Not Applicable to EAR - Excluded from Total MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160		Edgaley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases	- - - - - - -	PROTECTED DAT	TA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Snared Loads Small Co-gen Bilateral purchases	- - - - - - -	PROTECTED DAT	TA ENDS]	
151 152 153 154 155 156 157 158 159 160 161 162		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases	\$ 27.72	PROTECTED DAT \$ 50.89	TA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 161 162 163		Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases	- - - - - - -	PROTECTED DAT \$ 50.89	[A ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases Total Purchases	\$ 27.72 \$ 33.02	PROTECTED DA1 \$ 50.89 \$ 33.36	TA ENDS]	MISO and SPP Energy Only
151 152 153 154 155 156 157 158 159 160 161 162 163 164	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases	\$ 27.72	PROTECTED DA1 \$ 50.89 \$ 33.36	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment ed Sales	\$ 27.72 \$ 33.02 \$ 32.88	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09	[A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Biateral purchases Market Purchases Market Purchases Total Purchases Total Purchases	\$ 27.72 \$ 33.02	PROTECTED DA1 \$ 50.89 \$ 33.36	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs	\$ 27.72 \$ 33.02 \$ 32.88 N/A	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09 N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment ed Sales	\$ 27.72 \$ 33.02 \$ 32.88	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
51 52 53 54 55 55 55 55 55 55 55 60 61 62 63 64 65 66 66 66	Wind Cur	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs	\$ 27.72 \$ 33.02 \$ 32.88 N/A	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09 N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
51 52 53 54 55 55 55 55 55 55 55 60 61 62 63 64 66 66 66 66 66	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	\$ 27.72 \$ 33.02 \$ 32.88 N/A	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09 N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 166 166	Wind Cur Asset Ba	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment seed Sales Fuel Costs	\$ 27.72 \$ 27.72 \$ 33.02 \$ 32.88 N/A N/A	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09 N/A N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
51 52 53 54 55 55 55 55 55 60 61 62 63 64 66 66 66 66 66 70 70	Wind Cur Asset Ba Steam Pl	Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilatera purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 27.72 \$ 33.02 \$ 32.88 N/A N/A	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09 N/A N/A N/A	[A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
51 52 53 54 55 55 55 55 60 61 62 63 64 66 66 66 66 66 66 66 66 66 66 67 70 77	Wind Cur Asset Ba Steam Pl	Edgeley PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins	\$ 27.72 \$ 27.72 \$ 33.02 \$ 32.88 N/A N/A	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09 N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asse Based Sales
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 166 167 168 169 170 171 171	Wind Cur Asset Ba Steam Pl Steam/W	Edgeley PPA Langdon PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 27.72 \$ 33.02 \$ 32.88 NA NA NA NA	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09 N/A N/A N/A	TA ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 172 173	Wind Cur Asset Ba Steam Pl Steam/W	Edgeley PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilatera purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 27.72 \$ 33.02 \$ 32.88 N/A N/A	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09 N/A N/A N/A		MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
151 152 153 154 155 156 157 158 159 161 162 163 164 165 166 167 168 169 170 171 172 173 174	Wind Cur Asset Ba Steam Pl Steam/W Planning	Edgeley PPA Langdon PPA Langdon PPA Langdon PPA Ashtabula III PPA Tribal (WAPA) WAPA Energy Imbalance Shared Loads Small Co-gen Bilateral purchases Market Purchases Total Purchases tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales	\$ 27.72 \$ 33.02 \$ 32.88 NA NA NA NA	PROTECTED DA1 \$ 50.89 \$ 33.36 \$ 276.09 N/A N/A N/A N/A N/A	A ENDS]	MISO and SPP Energy Only Tribal (WAPA) excluded from Total Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

PUBLIC DOCUMENT NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA 20 462 Attachment 3 Page 73 of 78

					ast to Actual E	pense (Revenue)	
			YTD 2022 Forecast	YTD 2022 Actual				Notes
Line 1	Plant Ge	neration Big Stone	PROTECTED DATA					
2		Coyote	_					
3		Hoot Lake #2 Hoot Lake #3	-			ı		Hoot Lake plant closed in May 2021
5 6		Total Coal	\$ 37 702 195	\$ 44,363,283	PROTECT \$ 6,661,088	ED DATA ENDS] 17.67%		
7			IPROTECTED DATA		\$ 0,001,000	11.01 /0		
8		Langdon Wind Ashtabula Wind	-					
10 11		Luverne Wind Merricourt	_					
12						ED DATA ENDS		
13 14		Total Wind	\$	\$	\$	0		
15 16		Total Hydro	\$ - [PROTECTED DATA	\$ -	\$	0		
17		Jamestown 1		DEGINO				
18 19		Jamestown 2 Lake Preston	-					
20			A 400.447	A 170.055		ED DATA ENDS		
21 22		Total Oil Peaking Units	\$ 188,147 [PROTECTED DATA		\$ 291,208	154.78%		
23 24		Natural gas - Solway Natural gas - Astoria				-		
25			A 5 540 040			ED DATA ENDS		
26 27			\$ 5,518,913 [PROTECTED DATA	\$ 20,099,117 BEGINS	\$ 14,580,204	264.19%		
28 29		Solar - Blue Jay Solar - Blue Heron						
30					PROTECT	ED DATA ENDS		
31 32		Total Solar	\$	\$	\$	0	F	
33 34	ľ	Total OTP Owned	\$ 43,409,256	\$ 64,941,756	\$ 21,532,500	49.60%		
35	Wholesa	ale Market Charges						
36 37	555.02	MISO Wholesale Market Charges DA Asset Energy Amount***	\$	\$-	\$-	0	L	Energy Amounts - included/embedded within Market Purchases
38 39	555.04 555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	\$-	\$-	\$ - \$ -	0		
40	555.19	RT Asset Energy Amount***	\$-	\$-	\$-	0		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
41 42	555.24 555.21	RT Distribution of Losses Amount RT FBT Loss Amount		\$ (5 293 962) \$ -	\$ (3 740 742) \$ -	240.84%	\vdash	<u></u>
43		DA Loss Amount	\$ 4,226,265	\$ 13,335,954	\$ 9,109,689	215.55%		
44 45	555.26	RT Loss Amount RT Non-Asset Energy Amount***	\$-		\$-	217.91% 0	L	Energy Amounts - included/embedded within Market Purchases
46 47	555.08 555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	\$- \$-	\$ -	\$- \$-	0	-	
48	555.32	RT Virtual Energy Amount	\$ -	\$ -	\$-	0		
49 50	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	\$ 749 822 \$ 93 762	\$ 735 641 \$ 101 683		-1.89% 8.45%	-	Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
51	555.13	FTR Mkt Admin Amount	\$ 29 973	\$ 25 821	\$ (4 152)	-13.85%		Excluded from Total MISO Wholesale Market Charges - Not MN EAR Applicable
52 53	555.03	DA FBT Congestion Amount DA Congestion	\$ 2,391,047	\$ 33,348,742		0 1294.73%		
54 55	555.20	RT FBT Congestion Amount RT Congestion	\$ - \$ 253 392	\$ - \$ 2 760 582	\$ - \$ 2 507 191	0 989.45%		
56	555.14	FTR Hourly A location Amount	\$ (4 233 196)	\$ (58 450 965)	\$ (54 217 769)	1280.78%		
57 58	555.15 555.17	FTR Monthly Allocation Amount FTR Yearly Allocation Amount	\$ (238 785) \$ (26,085)	\$ (1 304 357) \$ (531,221)		446.25% 1936.53%	L	
59 60	555.35 555.36	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	\$ (176 277)		\$ 176 277	-100.00% -438.22%	-	
61	555.37	FTR Guarantee Up ift Amount	\$ 206 210	\$ (716 186)	\$ (922 397)	-447.31%		
62 63	555.39 555.38	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	\$ (3 243 841) \$ 3,224,980	\$ (57 544 227) \$ 57,509,852	\$ (54 300 386) \$ 54,284,872	1673.95% 1683.26%		
64	555.40	FTR Auction Revenue Rights Infeasible Up ift Amount	\$ 40 321	\$ 174 184	\$ 133 863	331.99% 201.32%		
65 66	555.41 555.07	FTR Auction Revenue Rights Stage 2 Distr bution Amount DA Congestion Rebate on Option B GFA	\$ (0)		\$ 0	-100.00%		
67 68	555.10 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$ 107 106 \$ (60,102)		\$ 114 878 \$ (58,690)	107.26% 97.65%	<u> </u>	
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 228 897	\$ 571 397	\$ 342 500	149.63%		
70 71	555.30 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	\$ (191 232)	\$ - \$ (735 455)	\$ (544 223)	-100.00% 284.59%	L	
72 73	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	\$ 569 963 \$ 144,029	\$ 996 307	\$ 426 344	74.80%		
74	555.27	RT Net Inadvertent Amount	\$ 10 143	\$ 70 182	\$ 60 039	591.91%		
75 76	555.31 555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	\$- \$111 073	\$ - \$ 271 966		0 144.85%	L	
77	555.63 555.64	DA Ramp Product RT Ramp Product		\$ (42 843)	\$ (30 942)	259.99% -8142.20%	F	
79	555.65	RT Schedule 49 Cost Distribution Amount	\$ 129 647	\$ 185 990	\$ 56 343	43.46%		
80 81	555.55 555.56	RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***		\$- \$-	\$ - \$ -	0		Energy Amounts - included/embedded within Market Purchases Energy Amounts - included/embedded within Market Purchases
82 83	555.05 555.06	DA Congestion Rebate on COGA DA Losses Rebate on COGA	\$-	\$-	\$- \$-	0		
84	555.22	RT Congestion Rebate on COGA	\$-	\$-	\$-	0		
85 86	555.23	RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sched		\$- \$462 699	\$ - \$ 462 699	0	<u> </u>	<u> </u>
87						4075 0000		Total Evolution Schoolulo 16 and 17 (Free 40, 44, 40 Above)
88 89		Total MISO Wholesale Market Charges	ə 1,479,146	ə (14,430,995)	\$ (15,910,141)	1075.63%		Total Excludes Schedule 16 and 17 (Lines 40, 41, 42 Above)
90 91	555.19	SPP Wholesale Market Charges DA Asset Energy Amount***	\$ -	\$-	\$ -	0	<u> </u>	Energy Amounts - included/embedded within Market Purchases
92	555.03	DA Non-asset Energy Amount	\$ -	\$ -	ş -	0	_	
93 94	555.09 555	RT Asset Energy Amount*** RT Non-Asset Energy Amount			\$- \$-	0	L	Energy Amounts - included/embedded within Market Purchases
95 96	555.02 555.1	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount	\$- \$2818		\$ - \$ 23 152	0 821.66%		
97	555.18	RT Revenue Sufficiency Guarantee Distribution Amount	\$-	\$ -	\$-	0		
98 99	555.15 555.04	RT Revenue Neutrality Uplift Distribution Amount DA Regulation-Down Distribution Amount	\$ 265 \$ 183		\$ 171	2059.55% 93.73%	L	
100 101	555.05 555.06	DA Regulation-Up Distr bution Amount DA Spinning Reserve Distribution Amount	\$ 327 \$ 352	\$ 1357	\$ 1 0 3 0	315.31% 371.11%	Ē	
102	555.07	DA Supplemental Reserve Distribution Amount	\$ 42	\$ 246	\$ 204	484.62%		
103 104	555.08 555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Co lected Losses Distribution Amount	\$ (0) \$ (99 829)	\$ (45) \$ (269 406)		11244.54% 169.87%	<u> </u>	
105	555.12	RT Regulation-Down Distribution Amount	\$ (6)	\$ 70	\$ 76	-1316.77%	<u> </u>	
106 107	555.13 555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	\$ (4) \$ (8)	\$ (50)	\$ (42)	1133.63% 548.79%	L	
108 109		RT Spinning Reserve Distribution Amount RT Supplemental Reserve Distribution Amount	\$ (1) \$ (0)	\$ (1)	\$ (1)	133.70% 115038.06%	Ē	
110	555.2	RT Pseudo Tie Congestion Amount	\$ (871 093)	\$ (2 634 367)	\$ (1 763 273)	202.42%		
111 112	555.21 555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	\$ (60)		\$ 48	99.63% -79.63%	L	
113 114	555.26	ARR Closeout Yearly Amount RT Demand Reduction Distribution Amount	\$ (90,194)	\$ (194,122)	\$ (103,928)	115.23% -2951.13%		
115	555.28 555.29	RT Schedule 1A3 Amount	\$ 42	\$ 165	\$ 123	294.79%		
116 117	555.30 555.31	RT Schedule 1A4 Amount DA Ramp Up Distribution Amount	\$ 219 \$ -	\$ 807 \$ 814		268.54% 0	<u> </u>	New charge type in 2022
118	555.32	DA Ramp Down Distribution Amount	\$-	\$-	\$-	0		New charge type in 2022
119	555.33	RT Ramp Non Performance Distribution Amount	\$-	\$ (12)	\$ (12)	0	i	New charge type in 2022

PUBLIC DOCUMENT NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA 20 462 Attachment 3 Page 74 of 78

120	555.34	RT Ramp Up Distribution Amount	\$-	\$	(58)	\$ (58)	0		New charge type in 2022
121	555.35	RT Ramp Down Distribution Amount	\$ -	\$		\$ -	0		New charge type in 2022
122	555.01	DA GFA Carve Out Distribution Deployment Daily Amount	\$ 164				276.68%		
123	555.22	DA GFA Carve Out Distribution Deployment Monthly Amount	\$ (1)				373.17%		
124	555.27	DA GFA Carve Out Distribution Deployment Yearly Amount	\$ (12)				126.18%		
125		Total SPP Wholesale Market Charges	\$ (1,283,711)) \$	(3,513,429)	\$ (2,229,717)	173.69%		
126									
127		MISO ASM							
128		Day Ahead Regulation Amount	\$ (702 658)) \$	(323 596)	\$ 379 062	-53.95%		
129		Real Time Regulation Amount	\$ 154 723	\$	(99 830)	\$ (254 553)	-164.52%		
130		Regulation Cost Distribution Amount	\$ 178 345	\$	285 746		60.22%		
131		Day Ahead Short-Term Reserve Amount	\$ -	\$			0		
132		Real Time Short-Term Reserve Amount	\$ -	\$			0		
133		Short-Term Reserve Cost Distribution Amount	\$-	\$		\$ 200 059	0		
134		Day Ahead Spinning Reserve Amount	\$ (177.001)			\$ (266 520)	150.57%		
135		Real Time Spinning Reserve Amount	\$ 23 254				-457.78%		
136		Spinning Reserve Cost Distribution Amount	\$ 131.352				96.12%		
137		Day Ahead Supplemental Reserve Amount	\$ (86 191)				206.48%		
137		Real Time Supplemental Reserve Amount	\$ 28 616				1108.88%		
130		Supplemental Reserve Cost Distribution Amount					41.83%		
139		Contingency Reserve Cost Distribution Amount Contingency Reserve Deployment Failure Charge Amount	\$ <u>28 922</u> \$ -	\$ \$			41.83%	-	
140		Real Time Excessive Deficient Energy Deployment Charge Amount	\$ - \$ 30.865				-40.93%		
							-40.93%		
142	<u> </u>	Short-Term Reserve Deployment Fa lure Charge Amount		\$		ψ -	0	L	
143	L	Net Regulation Adjustment Amount	\$ 20 117			\$ (10 705)	-53.21%	ļ	
144		Total MISO ASM	\$ (369,656))\$	(261,428)	\$ 108,227	29.28%		
145									
146		Total Wholesale Market Charges	\$ (174,221))\$	(18,205,852)	\$ (18,031,631)	10349.86%		
147									
148									
149	Purchase	ed Power							
150			[PROTECTED DAT	TA E	BEGINS				
151		Edgeley PPA	_						
152		Langdon PPA	-						
153		Ashtabula III PPA	-						
154		Tribal (WAPA)	-						Not Applicable to EAR - Excluded from Total
155		WAPA Energy Imbalance	-						
156		Shared Loads	-						
157		Small Co-gen	-						
158		Bilateral purchases	-						
159		Market Purchases	-						MISO and SPP Energy Only
160				_					
						PROTECT	ED DATA ENDS		
161		Total Purchases	\$ 68 415 446	\$	119 095 331		ED DATA ENDS] 74.08%		Tribal (WAPA) excluded from Total
161		Total Purchases	\$ 68,415,446	\$	119,095,331		ED DATA ENDS] 74.08%		Tribal (WAPA) excluded from Total
162	Wind Cur					\$ 50,679,885	74.08%		Tribal (WAPA) excluded from Total
162 163	Wind Cur		\$ 68,415,446 \$ 135,545						Tribal (WAPA) excluded from Total
162 163 164		rtailment	\$ 135,545	\$	752,132	\$ 50,679,885 \$ 616,587	74.08%		
162 163 164 165		tailment sed Sales	\$ 135,545 \$ 7,674,755	\$	752,132	\$ 50,679,885 \$ 616,587 \$ 9,987,557	74.08% 454.89% 130.14%		Tribal (WAPA) excluded from Total Credit to MIN FCA Calculation - Subtracted from Total
162 163 164 165 166		tailment sed Sales Fuel Costs	\$ 135,545 \$ 7,674,755 \$ 4,501,599	\$ \$	752,132 17,662,312 12,303,307	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708	74.08% 454.89% 130.14% 173.31%		
162 163 164 165 166 167		tailment sed Sales	\$ 135,545 \$ 7,674,755	\$ \$	752,132 17,662,312 12,303,307	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708	74.08% 454.89% 130.14%		
162 163 164 165 166 167 168	Asset Ba	raialment sed Sales Fuel Costs Asset Based Margins	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156	\$ \$ \$	752,132 17,662,312 12,303,307 5 359 005	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2 185 848	74.08% 454.89% 130.14% 173.31% 68.89%		Credit to MN FCA Calculation - Subtracted from Total
162 163 164 165 166 167 168 169	Asset Ba	tailment sed Sales Fuel Costs	\$ 135,545 \$ 7,674,755 \$ 4,501,599	\$ \$	752,132 17,662,312 12,303,307 5 359 005	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2 185 848	74.08% 454.89% 130.14% 173.31%		
162 163 164 165 166 167 168 169 170	Asset Ba Steam Pla	tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156 \$	\$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2 185 848 \$ 1,361,327	74.08% 454.89% 130.14% 173.31% 68.89% 0		Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169	Asset Ba Steam Pla	raialment sed Sales Fuel Costs Asset Based Margins	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156	\$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2 185 848 \$ 1,361,327	74.08% 454.89% 130.14% 173.31% 68.89%		Credit to MN FCA Calculation - Subtracted from Total
162 163 164 165 166 167 168 169 170	Asset Ba Steam Pl Steam/W	tatilment sed Sales Fuel Costs Assert Based Margins ant Reagents ter Sales	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156 \$ \$	\$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137)	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2 185 848 \$ 1,361,327 \$ (587,137)	74.08% 454.89% 130.14% 173.31% 68.89% 0		Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl Steam/W	tailment sed Sales Fuel Costs Asset Based Margins ant Reagents	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156 \$	\$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137)	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2 185 848 \$ 1,361,327 \$ (587,137)	74.08% 454.89% 130.14% 173.31% 68.89% 0		Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Planning	tatilment sed Sales Fuel Costs Asser Based Margins ant Reagents ter Sales Resource Auction Revenues	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156 \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137) (5,347,776)	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2 185 848 \$ 1,361,327 \$ (587,137) \$ (5,347,776)	74.08% 454.89% 130.14% 173.31% 68.89% 0 0		Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Planning	tatilment sed Sales Fuel Costs Assert Based Margins ant Reagents ter Sales	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156 \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137)	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2 185 848 \$ 1,361,327 \$ (587,137) \$ (5,347,776)	74.08% 454.89% 130.14% 173.31% 68.89% 0		Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl Steam/W Planning Total Sys	tatilment sed Sales Fuel Costs Asser Based Margins ant Reagents ter Sales Resource Auction Revenues	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156 \$ \$ \$	\$ \$ \$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137) (5,347,776)	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2 185 848 \$ 1,361,327 \$ (587,137) \$ (5,347,776)	74.08% 454.89% 130.14% 173.31% 68.89% 0 0		Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl Steam/W Planning Total Sys	ased Sales Sad Sales Fuel Costs Asset Based Margins Asset Based Margins Tele Costs Asset Based Margins Tele Sales Resource Auction Revenues tem Plant Level	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156 \$ \$ \$	\$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137) (5,347,776) 144,347,469	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2,185,848 \$ 1,361,327 \$ (587,137) \$ (5,847,1776) \$ 40,236,198	74.08% 454.89% 130.14% 173.31% 68.89% 0 0 0 38.65%		Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022 Tribal (WAPA) excluded from Total Asset Based Sales subtracted from Total
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl Steam/W Planning Total Sys	ased Sales Sad Sales Fuel Costs Asset Based Margins Asset Based Margins Tele Costs Asset Based Margins Tele Sales Resource Auction Revenues tem Plant Level	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3 173 156 \$ \$ \$	\$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137) (5,347,776) 144,347,469	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 2,185,848 \$ 1,361,327 \$ (587,137) \$ (5,847,1776) \$ 40,236,198	74.08% 454.89% 130.14% 173.31% 68.89% 0 0 0 38.65%		Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl Steam/W Planning Total Sys	Asset Based Margins Fuel Costs Fuel Costs Asset Based Margins Asset Based Margins At Reagents At Reage	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3,173,156 \$ \$ \$ \$ 104,111,271	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137) (5,347,776) 144,347,469	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 1,851,827 \$ 1,361,327 \$ (587,137) \$ (587,137) \$ (587,137) \$ (5347,776) \$ 40,236,198	74.08% 454.89% 130.14% 173.31% 68.89% 0 0 0 38.65% 38.65%	I) "Tot	Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 Tribal (WAPA) excluded from Total Asset Based Sales subtracted from Total Instance Sales
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl Steam/W Planning Total Sys	tailment tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues tem Plant Level e energy related charge types are reported in Market Purchases Approved Forecast in Docket E017/AA-21-311	\$ 104,111,271	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137) (5,347,776) 144,347,469	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 1,851,827 \$ 1,361,327 \$ (587,137) \$ (587,137) \$ (587,137) \$ (5347,776) \$ 40,236,198	74.08% 454.89% 130.14% 173.31% 68.89% 0 0 0 38.65% 38.65%	I) "Tot	Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective June 2022 Tribal (WAPA) excluded from Total Asset Based Sales subtracted from Total
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl Steam/W Planning Total Sys	Asset Based Margins Fuel Costs Fuel Costs Asset Based Margins Asset Based Margins At Reagents At Reage	\$ 135,545 \$ 7,674,755 \$ 4,501,599 \$ 3,173,156 \$ \$ \$ \$ 104,111,271	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137) (5,347,776) 144,347,469	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 1,851,827 \$ 1,361,327 \$ (587,137) \$ (587,137) \$ (587,137) \$ (5347,776) \$ 40,236,198	74.08% 454.89% 130.14% 173.31% 68.89% 0 0 0 38.65% 38.65%	I) "Tot	Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 Tribal (WAPA) excluded from Total Asset Based Sales subtracted from Total Instance Sales
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl Steam/W Planning Total Sys	tailment tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues tem Plant Level e energy related charge types are reported in Market Purchases Approved Forecast in Docket E017/AA-21-311	\$ 104,111,271	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137) (5,347,776) 144,347,469	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 1,851,827 \$ 1,361,327 \$ (587,137) \$ (587,137) \$ (587,137) \$ (5347,776) \$ 40,236,198	74.08% 454.89% 130.14% 173.31% 68.89% 0 0 0 38.65% 38.65%	I) "Tot	Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 Tribal (WAPA) excluded from Total Asset Based Sales subtracted from Total Instance Sales
162 163 164 165 166 167 168 169 170 171	Asset Ba Steam Pl Steam/W Planning Total Sys	tailment tailment sed Sales Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues tem Plant Level e energy related charge types are reported in Market Purchases Approved Forecast in Docket E017/AA-21-311	\$ 104,111,271	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	752,132 17,662,312 12,303,307 5 359 005 1,361,327 (587,137) (5,347,776) 144,347,469	\$ 50,679,885 \$ 616,587 \$ 9,987,557 \$ 7,801,708 \$ 1,851,827 \$ 1,361,327 \$ (587,137) \$ (587,137) \$ (587,137) \$ (5347,776) \$ 40,236,198	74.08% 454.89% 130.14% 173.31% 68.89% 0 0 0 38.65% 38.65%	I) "Tot	Credit to MN FCA Calculation - Subtracted from Total Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 Tribal (WAPA) excluded from Total Asset Based Sales subtracted from Total Instance Sales

Line 1 2			Year to Date 2	022 Forecast to A	ctual -	- MWh
1			YTD 2022	YTD 2022		
1	Plant Ger	neration	Forecast [PROTECTED DAT.	Actual A BEGINS	<u> </u>	Notes
		Big Stone	INVIEUTED DATA	- BEOING		
		Coyote		-		Heat Laber also all'a May 0004
3		Hoot Lake #2 Hoot Lake #3				Hoot Lake plant closed in May 2021
5				TECTED DATA E		
6 7		Total Coal	1,488,626 [PROTECTED DAT	1,819,294		
8		Langdon Wind				
9 10		Ashtabula Wind Luverne Wind		-		
11		Merricourt				
12		Total Wind		TECTED DATA E	NDS]	
13 14			1,124,903			
15		Total Hydro	20,000			
16 17		Jamestown 1	[PROTECTED DAT	A BEGINS		
18		Jamestown 2				
19 20		Lake Preston	PRO	TECTED DATA E	NDS1	
21		Total Oil - Peaking Units	791	1,050		
22 23		Natural gas - Solway	[PROTECTED DAT	TA BEGINS		
24		Natural gas - Astoria				
25 26		Total Natural Gas	PRC 186,480	DTECTED DATA E 260,837	NDS]	
27			[PROTECTED DAT	A BEGINS		
28 29		Solar - Blue Jay		•		
30		Solar - Blue Heron	PRC	TECTED DATA E	NDS]	
31		Total Solar	-	99		
32 33		Total OTP-Owned	2,820,800	3,128,316		
34	W/L - 1			, .,		
35 36	wnoiesal	e Market Charges MISO Wholesale Market Charges			 	
37	555.02	DA Asset Energy Amount***	N/A	N/A		
38 39	555.04 555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A	<u> </u>	
40	555.19	RT Asset Energy Amount***	N/A	N/A		
41 42		RT Distribution of Losses Amount RT FBT Loss Amount	N/A N/A	N/A N/A	\vdash	
43		DA Loss Amount	N/A	N/A		
44		RT Loss Amount	N/A	N/A		
45 46	555.26 555.08	RT Non-Asset Energy Amount*** DA Losses Rebate on Option B GFA	N/A N/A	N/A N/A		
47		DA Virtual Energy Amount	N/A	N/A		
48 49	555.32 555.01	RT Virtual Energy Amount DA Mkt Admin Amount	N/A N/A	N/A N/A		
50	555.18	RT Mkt Admin Amount	N/A	N/A		
51 52	555.13 555.03	FTR Mkt Admin Amount DA FBT Congestion Amount	N/A N/A	N/A N/A		
53		DA Congestion	N/A	N/A		
54 55		RT FBT Congestion Amount RT Congestion	N/A N/A	N/A N/A		
56		FTR Hourly Allocation Amount	N/A	N/A		
57		FTR Monthly Allocation Amount	N/A N/A	N/A N/A		
58 59	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A	N/A N/A		
60	555.36	FTR Full Funding Guarantee Amount	N/A	N/A		
61 62	555.37 555.39	FTR Guarantee Uplift Amount FTR Auction Revenue Rights Transaction Amount	N/A N/A	N/A N/A		
63	555.38	FTR Annual Transaction Amount	N/A	N/A		
64 65	555.40 555.41	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A N/A	N/A N/A		
66	555.07	DA Congestion Rebate on Option B GFA	N/A	N/A		
67 68	555.1 555.11	DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		+
69	555.29	RT Revenue Sufficiency Guarantee First Pass Distribution Amou	N/A	N/A		
70 71	555.3 555.42	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	N/A			
72	555.28			N/A N/A		
		RT Revenue Neutrality Uplift Amount	N/A N/A	N/A N/A		
73		RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A N/A	N/A N/A N/A		
74 75	555.27 555.31	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Net Inadvertent Amount RT Uninstructed Deviation Amount	N/A N/A N/A N/A	N/A N/A N/A N/A		
74 75 76	555.27 555.31 555.59	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Net Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A		
74 75 76 77	555.27 555.31 555.59 555.63 555.64	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Net Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product	N/A N/A N/A N/A	N/A N/A N/A N/A		
74 75 76 77 78 79	555.27 555.31 555.63 555.63 555.64 555.65	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Vet Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A		
74 75 76 77 78	555.27 555.31 555.59 555.63 555.64 555.65 555.55	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Net Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product	N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A		
74 75 76 77 78 79 80 81 82	555.27 555.31 555.59 555.63 555.64 555.65 555.55 555.55 555.56 555.05	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Net Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Ramp Product RT Ramp Aroduct RT AssM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A		
74 75 76 77 78 79 80 81 82 83	555.27 555.31 555.59 555.63 555.64 555.65 555.55 555.56 555.56 555.05 555.06	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Misc Amount RT Let Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Kocessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA	N/A	N/A		
74 75 76 77 78 79 80 81 82 83 84 85	555.27 555.31 555.63 555.64 555.65 555.65 555.55 555.56 555.05 555.05 555.06 555.22 555.23	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Derland Response Allocation Uplift Amount RT Ramp Product RT Ramp Product RT Ramp Product RT Ramp Product RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA	N/A	N/A N/A		
74 75 76 77 78 79 80 81 82 83 84 85 86	555.27 555.31 555.63 555.64 555.65 555.65 555.55 555.56 555.05 555.05 555.06 555.22 555.23	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Det Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Kon-Excessive Energy Amount*** RT ASM Kocessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Recessive Energy Amount*** RT ASM Recessive Energy Amount*** RT Cangestion Rebate on COGA	N/A	N/A		
74 75 76 77 78 79 80 81 82 83 84 85 86 87 88	555.27 555.31 555.63 555.64 555.65 555.65 555.55 555.56 555.05 555.05 555.06 555.22 555.23	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Derland Response Allocation Uplift Amount RT Ramp Product RT Ramp Product RT Ramp Product RT Ramp Product RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA	N/A	N/A N/A		
74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 88 89	555.27 555.31 555.63 555.64 555.65 555.65 555.55 555.56 555.05 555.05 555.06 555.22 555.23	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges	N/A	N/A N/A		
74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 87 88 89 90 91	555.27 555.31 555.59 555.63 555.64 555.65 555.55 555.56 555.05 555.02 555.23 555.23 555.19	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Det Individued Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Ramp Product RT ASM Non-Excessive Energy Amount*** RT Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges DA Asset Energy Amount***	NA NA NA NA NA NA NA NA NA NA NA NA NA N	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92	555.27 555.31 555.63 555.64 555.64 555.65 555.55 555.05 555.05 555.23 555.23 555.19 555.03	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Misc Amount RT Delt Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Bamp Product RT Schedule 49 Cost Distribution Amount RT Schedule 49 Cost Distribution Amount*** DA Congestion Rebate on COGA RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount	N/A	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 87 88 89 90 91	555.27 555.31 555.59 555.63 555.64 555.65 555.65 555.65 555.05 555.05 555.22 555.23 555.23 555.19 555.19 555.03 555.03	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Det Individued Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Ramp Product RT ASM Non-Excessive Energy Amount*** RT Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges DA Asset Energy Amount***	NA NA NA NA NA NA NA NA NA NA NA NA NA N	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95	555.27 555.31 555.59 555.63 555.63 555.65 555.55 555.06 555.22 555.23 555.23 555.23 555.23 555.00 555.00 555.09 555.02	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Mei Inadvertent Amount RT Det Indistructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Non-Asset Energy Amount	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 82 83 84 85 86 87 88 88 89 90 91 92 93 94	555.27 555.31 555.63 555.63 555.64 555.64 555.56 555.56 555.05 555.05 555.05 555.23 555.23 555.23 555.19 555.19 555.03 555.03 555.03 555.03 555.03 555.03 555.03 555.03 555.03 555.03 555.25 555.23 555.25 555.23 555.23 555.23 555.25 555.25 555.23 555.25 555.23 555.25 555.23	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Misc Amount RT Net Inadvertent Amount RT Demand Response Allocation Uplift Amount DR Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total NISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount RT Non-Asset Energy Amount RT Make-Whole-Payment Distribution Amount	NA NA NA NA NA NA NA NA NA NA NA NA NA N	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 80 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98	555.27 555.31 555.63 555.63 555.64 555.65 555.55 555.06 555.06 555.22 555.23 555.23 555.09 555.09 555.09 555.09 555.19 555.55 555.19 555.19 555.19 555.55 555.19 555.18	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Mist Inadvertent Amount RT Net Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total NISO Wholesale Market Charges DA Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Non-Asset Energy Amount RT Non-Asset Energy Amount RT Non-Asset Energy Amount RT Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 82 83 84 85 86 87 88 86 87 88 90 91 91 92 93 94 95 96 97 98 99	555.27 555.39 555.63 555.64 555.65 555.65 555.55 555.05 555.05 555.05 555.22 555.23 555.23 555.09 555.09 555.09 555.09 555.09 555.19 555.09 555.19 555.03 555.19 555.15	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Det Indivertent Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT Congestion Rebate on COGA DA Congestion Rebate on COGA RT Loss Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** RT Asset Energy Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount RT Revenue Neutrality Uplift Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	NA NA NA NA NA NA NA NA NA NA NA NA NA N	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 82 83 84 83 84 83 84 83 84 83 84 85 86 87 90 91 92 93 94 92 93 94 95 95 96 97 97 97 97 100 101	555.27 555.31 555.59 555.64 555.64 555.65 555.55 555.56 555.55 555.56 555.06 555.06 555.22 555.23 555.23 555.19 555.19 555.09 555.09 555.09 555.18 555.15 555.15 555.15 555.15 555.02 555.15 555.03 555.15 555.03 555.15 555.04 555.15 555.03 555.04 555.05	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Det Indistructed Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT Congestion Rebate on COGA DA Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Carantee Distribution Amount RT Revenue Sufficiency Carantee Distribution Amount RT Revenue Sufficiency Carantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Spinning Reserve Distribution Amount	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 82 83 84 85 86 88 85 86 87 87 90 91 92 93 94 95 96 97 99 99 90 101	555.27 555.31 555.59 555.64 555.65 555.56 555.56 555.56 555.56 555.25 555.25 555.25 555.25 555.25 555.25 555.23 555.19 555.19 555.19 555.19 555.19 555.19 555.19 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.06 555.05 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.15 555.25 555.15 555.15 555.15 555.15 555.15 555.15 555.06 555.06 555.15 555.15 555.15 555.06 555.06 555.25 555.15 555.15 555.06 555.06 555.06 555.15 555.15 555.06 555.06 555.06 555.06 555.15 555.06 555.07	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Det Individued Deviation Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT SaM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT Congestion Rebate on COGA DA Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount RT Asset Energy Amount RT Reverue Sufficiency Guarantee Distribution Amount RT Reverue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Supplement Reserve Distribution Amount	N/A	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 82 83 84 85 86 87 88 88 89 90 91 92 93 94 92 93 94 95 96 97 99 9100 101 102	555.27 555.31 555.59 555.63 555.64 555.66 555.66 555.06 555.20 555.09 555.09 555.09 555.00 555.09 555.00 555.18 555.18 555.18 555.18 555.18 555.18 555.04 555.04 555.04 555.04 555.04 555.06 555.04 555.04 555.04 555.06 555.04 555.04 555.05 555.04 555.06 555.04 555.04 555.06 555.04 555.04 555.04 555.06 555.04 555.06 555.04 555.06 555.04 555.06 555.06 555.04 555.04 555.06 555.06 555.05	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Det Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Schedule 49 Cost Distribution Amount RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Kacessive Energy Amount*** RT ASM Kacessive Energy Amount*** RT ASM Recessive Energy Amount*** RT Congestion Rebate on COGA DA Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges DA Asset Energy Amount*** DA Non-asset Energy Amount RT Non-Asset Energy Amount RT Marke-Whole-Payment Distribution Amount RT Marke-Whole-Payment Distribution Amount RT Marke-Whole-Payment Distribution Amount RT Marke-Whole-Dayment Distribution Amount RT Reverue Sufficiency Quarantee Distribution Amount RT Reverue Sufficiency Quarantee Distribution Amount RT Reverue Sufficiency Caucantee Distribution Amount DA Regulation-Upo Distribution Amount DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount RT Contingency Reserve Distribution Amount	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 81 82 83 83 84 83 84 85 86 88 90 91 92 93 94 95 96 97 99 9100 101 2103	555.27 555.31 555.59 555.63 555.64 555.66 555.66 555.06 555.06 555.23 555.23 555.23 555.23 555.23 555.24 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Det Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Bamp Product RT Schedule 49 Cost Distribution Amount RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Kexessive Energy Amount*** RT ASM Kexessive Energy Amount*** RT Congestion Rebate on COGA DA Congestion Rebate on COGA RT Loss Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount** DA Non-asset Energy Amount RT Maske-Whole-Payment Distribution Amount RT Merkerue Sufficiency Guarantee Distribution Amount RT Merkerue Sufficiency Guarantee Distribution Amount RT Merkerue Sufficiency Guarantee Distribution Amount RT Reverue Reverue Sufficiency Guarantee Distribution Amount RT Reverue Sufficiency Guarantee Distribution Amount DA Spinning Reserve Distribution Amount DA Spinning Reserve Distribution Amount RT Contingency Reserve Delytopyment Faiture Amount RT Contingency Reserve Delytopyment Faiture Amount RT Reverue Neurance Down Distribution Amount RT Reverue Neurance Das Spinning Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Reverue Deverue Das Distribution Amount RT Reverue Deverue Deverue Das Spinning Reverue Distribution Amount RT Contringency Reserve Deverue Das Amount RT Reverue Deverue Das Distribution Amount	NA NA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 82 83 84 83 84 85 88 88 89 90 91 92 93 94 95 99 97 79 89 90 91 00 101 102 103 104 105	555.27 555.31 555.59 555.64 555.63 555.65 555.65 555.06 555.06 555.23 555.05 555.05 555.00 555.00 555.00 555.00 555.00 555.00 555.00 555.10 555.15 555.15 555.15 555.15 555.15 555.06 555.05 555.15 555.15 555.15 555.15 555.12	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Net Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges DA Asset Energy Amount*** DA Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Revenue Sufficiency Cuarantee Distribution Amount RT Revenue Sufficiency Cuarantee Distribution Amount RT Revenue Builficiency Cuarantee Distribution Amount RT Revenue Distribution Amount DA Regulation-Up Distribution Amount DA Supplemental Reserve Distribution Amount RT Congestion Sufficiency Cuarantee Distribution Amount RT Supplemental Reserve Distribution Amount RT Supplemental Reserve Distribution Amount RT Congestioned Distribution Amount RT Cover-Collected Losses Distribution Amount RT Cover-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Onon-Performance Distribution Amount RT Regulation Non-Performance Distribution Amount RT Regulation Non-Performance Distribution Amount RT Regulation-Down Distribution Amount	NA NA NA NA NA NA NA NA NA NA NA NA NA N	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 81 82 83 84 83 84 85 83 84 85 83 84 85 90 91 92 93 94 95 99 97 79 80 91 92 93 91 92 93 94 95 95 95 95 95 95 90 100 101 101 101 101 101 101 101 101	555.27 555.31 555.59 555.64 555.63 555.65 555.65 555.06 555.06 555.23 555.23 555.19 555.23 555.19 555.19 555.19 555.03 555.03 555.03 555.15	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Net Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Bamp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA RT Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges DA Asset Energy Amount*** DA Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount*** RT Asset Energy Amount RT Revenue Sufficiency Cuarantee Distribution Amount RT Revenue Sufficiency Cuarantee Distribution Amount RT Revenue Sufficiency Cuarantee Distribution Amount DA Sciptinging Reserve Distribution Amount DA Supplemental Reserve Distribution Amount RT Oxer-Collected Losses Distribution Amount RT Concerted Losses Distribution Amount RT Concert Reserve Distribution Amount RT Concert Distribution Amount RT Revenue Sufficiency Cuarantee Distribution Amount RT Resputation-Down Distribution Amount RT Resputation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Distribution Amount RT Regulation-Distribution Amount RT Regulation-Distribution Amount RT Regulation-Distribution Amount RT Regulation-Distribution Amount RT Resputation Reserve Distribution Amount RT Resputation Reserve Distribution Amount RT Resputation Reserve Distribution Amount RT Resputation Reserve Distribution Amount	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 78 80 80 81 83 84 85 86 83 84 85 86 87 87 87 87 87 87 87 87 80 90 91 92 93 94 95 95 96 100 101 102 105 105 107 105 105 105 105 105 105 105 105 105 105	555.27 555.31 555.59 555.64 555.64 555.65 555.55 555.23 555.23 555.19 555.19 555.19 555.19 555.19 555.19 555.10 555.10 555.10 555.10 555.11 555.11 555.13 555.13 555.13 555.13 555.14 555.13 555.14 555.13 555.14 555.13 555.14 555.13 555.14 555.14 555.13 555.14 555.15 555.14 555.15 555.14 555.15 555.14 555.15 555.14 555.15 555.14 555.15	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Misc Amount RT Misc Amount RT Net Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Bamp Product RT Bamp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate ON LOGA RT Loss Rebate Renzy Amount DA Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount DA Regulation-Down Distribution Amount RT Contingency Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Reputer Down Distribution Amount RT Regulation Non-Pefformance Distribution Amount RT Regulation Non-Pefformance Distribution Amount RT Regulation Non-Pefformance Distribution Amount RT R Regulation Non-Distribution Amount RT R Supplement Reserve Distribution Amount RT R Supplement Reserve Distribution Amount RT R S	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 77 78 80 80 81 82 83 84 85 86 88 88 88 88 88 88 88 90 91 92 93 99 91 92 93 94 95 95 99 90 100 101 101 105 105 105 105 105 105 10	555.27 555.31 555.59 555.64 555.64 555.65 555.55 555.23 555.23 555.19 555.19 555.23 555.23 555.23 555.23 555.23 555.20 555.19 555.10 555.10 555.10 555.10 555.11 555.11 555.13 555.13 555.13 555.13 555.14 555.13 555.14 555.15 555.14 555.15 555.04 555.15 555.04 555.15 555.04 555.15	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Misc Amount RT Misc Amount RT Met Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Bamp Product RT Bamp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA TA SM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate Destribution Amount RT R Reputeron Loss Rubate RT Represe Distribution Amount RT R Represe Distribution Amount RT R Reputeron-Down Distribution Amount RT R Reputeron-DownD	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 77 78 80 80 81 82 83 84 85 86 85 86 88 83 84 83 84 90 90 91 92 93 93 94 94 95 96 97 77 88 99 90 101 101 102 106 81 107 107 107 107 107 107 107 107 107 10	555.27 555.31 555.59 555.64 555.64 555.65 555.06 555.06 555.06 555.02 555.19 555.19 555.19 555.19 555.23 555.23 555.23 555.23 555.15 555.25 555.15 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Met Inadvertent Amount RT Net Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Ramp Product RT Ramp Product RT Schedule 49 Cost Distibution Amount RT Schedule 49 Cost Distibution Amount RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT ASM Excessive Energy Amount*** RT Congestion Rebate on COGA DA Congestion Rebate on COGA RT Loss Rebate on COGA RT Loss Rebate on COGA Net Congestion and Losses Adjustment & No DA Generation Sc Total MISO Wholesale Market Charges SPP Wholesale Market Charges DA Asset Energy Amount*** DA Non-Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Asset Energy Amount RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Sufficiency Carantee Distribution Amount RT Revenue Sufficiency Carantee Distribution Amount DA Spinning Reserve Distribution Amount DA Spinning Reserve Distribution Amount RT Contigency Reserve Distribution Amount RT Contigency Reserve Distribution Amount RT Contigency Reserve Distribution Amount RT Contingency Reserve Distribution Amount RT Requilation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount RT Resultion Reserve Distribution Amount RT Spinning Reserve Distribution Amount RT Pseudo Tie Congeston Amount RT Pseudo Tie Congeston Amount RT Pseudo Stel Loss Amount	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		
74 75 76 77 77 80 80 81 82 83 83 84 85 86 88 84 85 90 91 91 92 92 92 94 93 94 95 96 101 102 103 104 105 106 107 112 113	555.27 555.31 555.59 555.64 555.64 555.65 555.65 555.06 555.06 555.23 555.19 555.19 555.19 555.19 555.19 555.22 555.23 555.23 555.15 555.25 555.15 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount RT Misc Amount RT Misc Amount RT Met Inadvertent Amount RT Demand Response Allocation Uplift Amount DA Bamp Product RT Bamp Product RT Schedule 49 Cost Distribution Amount RT ASM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA DA Losses Rebate on COGA TA SM Non-Excessive Energy Amount*** DA Congestion Rebate on COGA RT Loss Rebate on COGA Net Congestion Rebate on COGA DA Losses Rebate on COGA RT Loss Rebate Destribution Amount RT R Reputeron Loss Rubate RT Represe Distribution Amount RT R Represe Distribution Amount RT R Reputeron-Down Distribution Amount RT R Reputeron-DownD	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA	NAA NAA NAA NAA NAA NAA NAA NAA NAA NAA		

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-20-462 Attachment 3 Page 76 of 78

116 6530 RT Schedule IA Amount NA NA NA NA 117 6533 NA Kam Ju (b Schittako Amount NA NA NA NA 117 6533 NT Famy Dup Schittako Amount NA NA NA NA 118 6533 RT Famy Dup Schittakon Amount NA NA NA NA 121 6554 RT Famy Dup Schittakon Amount NA NA NA 123 6554 RT Famy Dup Schittakon Amount NA NA NA 124 6555 RT Famy Dup Schittakon Amount NA NA NA 124 6557 AT Famy Dup Schittakon Amount NA NA NA 124 6527 OA GFA Cance QU Schittakon Deployment Yash'Amount NA NA 126 Day Ahaol Regulation Amount NA NA NA 127 HSO ASM NA NA NA 128 Real Time Regulation Amount NA NA 129 Day Ahaol Regulation Amount NA NA 130 Real Time Regulation Amount NA NA 131 Real Time Regulation Amount NA NA 132 Real Time Regulatin Amount NA						-	
118 653.2 DA Remp Down Detribution Amount NA							
119 553.3 RT Ramp & Distribution Amount NA NA <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
120 553.41 RT Ramp Up Distribution Amount N/A N/A N/A N/A N/A 121 553.53 RT Ramp Dom Distribution Amount N/A N/A N/A 122 553.53 RA GPA Carea Out Distribution Deloximent Daily Amount N/A N/A N/A 122 553.53 RA GPA Carea Out Distribution Deloximent Yanky Amount N/A N/A N/A 123 Constraints N/A N/A N/A N/A 124 S53.73 CA GPA Carea Out Distribution Deloximent Yanky Amount N/A N/A 124 S53.74 Read Time Stanguation Amount N/A N/A N/A 125 Daw Anead Stort Fam Rester Amount N/A N/A N/A 136 Daw Anead Stort Fam Rester Amount N/A N/A N/A 137 Daw Anead Stort Fam Rester Amount N/A N/A N/A 138 Real Time Stort Fam Rester Amount N/A N/A N/A 139 Daw Anead Stort Fam Rester Amount N/A N/A N/A 139 Daw Anead Stort Fam Rester Amount N/A N/							
121 65.33 RT Rang. Down Distribution Amount NA NVA NVA NVA 122 65.53 RA SPA Same Out Distribution Disployment Worth Amount NVA NVA NVA 123 05.57 DA GPA Caren Du Distribution Disployment Worth Amount NVA NVA NVA 124 DA GPA Caren Du Distribution Amount NVA NVA NVA 126 Total SPP Wholesale Market Charge NVA NVA 127 MISO ASM NVA NVA NVA 128 Real Time Regulation Amount NVA NVA 129 Real Time Regulation Amount NVA NVA 131 Dow Asset Short Time Reserve Amount NVA NVA 132 Real Time Regulation Amount NVA NVA 133 Dow Asset Short Time Reserve Amount NVA NVA 134 Dow Asset Short Reserve Amount NVA NVA 135 Real Time Reserve Amount NVA NVA 136 Spinning Reserve Amount NVA NVA 137 Dow Asset Spinning Reserve Amount NVA NVA							
122 SS5.01 DA GPA Carve Out Distribution Deployment Multify Amount NA NA NA 123 SS5.27 DA GPA Carve Out Distribution Deployment Yearly Amount NA NA NA 124 SS5.27 DA GPA Carve Out Distribution Deployment Yearly Amount NA NA NA 126 DA GPA Carve Out Distribution Deployment Yearly Amount NA NA NA 126 Da GPA Carve Out Distribution Amount NA NA NA 127 MiSO ASM NA NA NA 128 Day Ameal Beguitation Amount NA NA NA 129 Day Ameal Solution Extern Reserve Amount NA NA NA 130 Day Ameal Solution Reserve Amount NA NA NA 131 Day Ameal Solution Reserve Amount NA NA NA 133 Short-Tern Reserve Amount NA NA NA 134 Day Ameal Solution Amount NA NA NA 135 Short-Tern Reserve Amount NA NA NA 136 Real Time Soupointent Reserve Amount NA </td <td>120</td> <td>555.34</td> <td>RT Ramp Up Distribution Amount</td> <td>N/A</td> <td>N/A</td> <td></td> <td>New charge type in 2022</td>	120	555.34	RT Ramp Up Distribution Amount	N/A	N/A		New charge type in 2022
121 55.22 DA GFA Caree Out Distribution Deployment Monthly Amount NA NA 123 55.27 DA GFA Caree Out Distribution Deployment Yearly Amount NA NA 123 Total SPP Wholesale Market Charges NA NA 124 Day Absad Regulation Amount NA NA NA 125 Requisition Amount NA NA NA 136 Day Absad Regulation Amount NA NA NA 137 Day Absad Regulation Amount NA NA NA 138 Day Absad Sportme Bastere Amount NA NA NA 139 Day Absad Sportme Reserve Catel Distribution Amount NA NA NA 131 Daynes Sportme Reserve Catel Distribution Amount NA NA NA 138 Read Time Sportme Reserve Catel Distribution Amount NA NA NA 138 Read Time Sportme Reserve Cate Distribution Amount NA NA NA 139 Read Time Sportme Reserve Cate Distribution Amount NA NA NA 139 Read Time Sportme Reserve Cate Distribution Amount NA	121	555.35	RT Ramp Down Distribution Amount	N/A	N/A		New charge type in 2022
122 552.2 DA GFA Carve Out Distribution Deployment Monthly Annualt N/A N/A 123 552.7 DA GFA Carve Out Distribution Deployment Yearly Annualt N/A N/A 126 Total SPP Wholesale Market Charges N/A N/A 127 MISO ASM N/A N/A 128 Day Alead Regulation Annual N/A N/A 139 Day Alead Regulation Annual N/A N/A 130 Regulation Annual N/A N/A 131 Day Alead Spinite Measure Annual N/A N/A 132 Day Alead Spinite Measure Annual N/A N/A 133 Day Alead Spinite Reserve Annualt N/A N/A 134 Day Alead Spinite Reserve Annualt N/A N/A 135 Real Time Spinite Reserve Coll Distribution Annualt N/A N/A 136 Real Time Spinite Reserve Coll Distribution Annualt N/A N/A 137 Real Time Spinite Reserve Coll Distribution Annualt N/A N/A 138 Spinite Reserve Coll Distribution Annualt N/A N/A 139 Real Time Spinite Reserve	122	555.01	DA GEA Carve Out Distribution Deployment Daily Amount	N/A	N/A		
124 SS.27 DA GFA Cave Out Distribution Digit/opment Yearly Amount NA NA 126 Total SPP Wholesale Market Charges NA NA 128 Day Ahead Squarting Amount NA NA 129 Real Time Regulation Amount NA NA 120 Real Time Regulation Amount NA NA 130 Day Ahead Stort-Fern Reserve Amount NA NA 131 Day Ahead Stort-Fern Reserve Amount NA NA 132 Day Ahead Stort-Fern Reserve Amount NA NA 133 Day Ahead Stort-Fern Reserve Amount NA NA 134 Real Time Spring Reserve Amount NA NA 135 Real Time Spring Reserve Cost Distribution Amount NA NA 136 Real Time Spring Reserve Amount NA NA 137 Day Ahead Supprenetal Reserve Amount NA NA 138 Real Time Spring Reserve Cost Distribution Amount NA NA 139 Day Ahead Supprenetal Reserve Amount NA NA 139 Day Ahead Supprenetal Reserve Amount NA NA 141 Real Time Spring Reserve Cost Distribution Amount NA NA 142 Stort-Term Reserve Amount NA							
Total SPP Wholesale Market Charges Image: Constraint of the co							
126 MISO ASM NA 127 MISO ASM NA 128 Day Ased Regulation Amount NA 129 Day Ased Regulation Carlos Amount NA 131 Day Ased Short-Term Reserve Amount NA 132 Real Time Short-Term Reserve Amount NA 133 Short-Term Reserve Cost Distribution Amount NA 134 Day Ased Short-Term Reserve Amount NA 135 Short-Term Reserve Cost Distribution Amount NA 136 Symme Reserve Cost Distribution Amount NA 137 Day Ased Simming Reserve Amount NA 138 Day Abed Signmental Reserve Amount NA 139 Real Time Supplemental Reserve Amount NA 139 Real Time Supplemental Reserve Cost Distribution Amount NA 140 Contigeneous Reserve Cost Distribution Amount NA 141 Real Time Supplemental Reserve Cost Distribution Amount NA 142 Symment Reserve Cost Distribution Amount NA 144 Forth-Time Reserve Cost Distribution Amount NA <td></td> <td>555.27</td> <td></td> <td>19/75</td> <td>TN/A</td> <td></td> <td></td>		555.27		19/75	TN/A		
127 MSO ASM NA NA 128 Day Ahad Regulation Amount NA NA 129 Real Time Regulation Amount NA NA 130 Regulation Carbon Amount NA NA 131 Depulation Carbon Amount NA NA 132 Real Time Regulation Amount NA NA 133 Dison Film Reserve Carb Batchbaton Amount NA NA 134 Day Ahada Spinning Reserve Anount NA NA 135 Real Time Spinning Reserve Carb Batchbaton Amount NA NA 136 Real Time Spinning Reserve Carb Batchbaton Amount NA NA 138 Spenring Reserve Carb Batchbaton Amount NA NA 139 Supplemental Reserve Carb Batchbaton Amount NA NA 130 Read Time Spinnetal Reserve Deployment Falser Amount NA NA 141 Read Time Spinnetal Reserve Deployment Falser Amount NA NA 142 Stort-time Reserve Deployment Falser Amount NA NA 144			Total SFF Wholesale Market Charges				
128 Day Anad Regulation Amount NA NA NA 129 Real Time Regulation Amount NA NA NA 130 Regulation Cost Distribution Amount NA NA NA 131 Day Made Stort Time Reserve Amount NA NA NA 131 Day Ander Stort Time Reserve Amount NA NA NA 133 Real Time Suprema Reserve Amount NA NA NA 134 Day Ander Storten Reserve Amount NA NA NA 135 Real Time Supremark Reserve Amount NA NA NA 135 Real Time Supremark Reserve Amount NA NA NA 136 Real Time Supremark Reserve Amount NA NA NA 137 Day Anad Suppenerat Reserve Amount NA NA NA 138 Real Time Supremark Reserve Resonant Reserve Amount NA NA NA 141 Reserve Resonant Reserve Amount NA NA NA NA 142 Short-Ter			W00 40W				
123 Real Time Regulation Amount NA NA 130 Boy Anad Short-Term Reserve Amount NA NA 131 Day Anad Short-Term Reserve Amount NA NA 132 Real Time Short-Term Reserve Amount NA NA 133 Short-Term Reserve Cost Distribution Amount NA NA 134 Short-Term Reserve Amount NA NA 135 Pael Time Spinning Reserve Amount NA NA 136 Real Time Spinning Reserve Amount NA NA 137 Day Ahad Supplemental Reserve Amount NA NA 138 Real Time Spinning Reserve Amount NA NA 139 Supplemental Reserve Amount NA NA 140 Contingency Reserve Decipionent Charge Amount NA NA 141 Contingency Reserve Decipionent Charge Amount NA NA 143 Net Regulation Adjustment Amount NA NA 144 Total Wholesale Market Charges							
130 Regulation Cost Distribution Amount NA NA NA 131 Day Alead Sohr Term Reserve Amount NA NA NA 132 Real Time Short-Term Reserve Amount NA NA NA 133 Short-Term Reserve Amount NA NA NA 134 Day Alead Spiring Reserve Amount NA NA NA 134 Day Alead Spiring Reserve Amount NA NA NA 135 Read Time Spining Reserve Amount NA NA NA 135 Read Time Spining Reserve Amount NA NA NA 138 Read Time Spining Reserve Amount NA NA NA 139 Supplemental Reserve Cost Distribution Amount NA NA NA 140 Contingency Reserve Deloyment Charge Amount NA NA NA 141 Read Time Spiniter Charge Amount NA NA NA 142 Short-Fern Reserve Deloyment Charge Amount NA NA NA 144 Read Time Spinite							
131 Day Anead Short-Term Reserve Amount NA NA NA 132 Real Time Short-Term Reserve Amount NA NA NA 133 Short-Term Reserve Amount NA NA NA 134 Day Anead Spring Reserve Amount NA NA NA 135 Reat Time Spring Reserve Amount NA NA NA 136 Reat Time Spring Reserve Amount NA NA NA 137 Day Ahead Spring Reserve Amount NA NA NA 138 Reat Time Stophernetial Reserve Amount NA NA NA 138 Read Time Stophernetial Reserve Amount NA NA NA 140 Contingency Reserve Decipionet Faultre Charge Amount NA NA NA 141 Read Time Stophernetial Reserve Amount NA NA NA 142 Short-Term Reserve Decipionet Faultre Charge Amount NA NA NA 142 Short-Term Reserve Decipionet Faultre Charge Amount NA NA NA 14							
132 Real Time Short-Term Reserve Amount NA NA 133 Short-Term Reserve Card Distribution Amount NA NA 134 Day Anead Spinning Reserve Amount NA NA 135 Real Time Spinning Reserve Amount NA NA 136 Real Time Spinning Reserve Amount NA NA 137 Day Anead Spinning Reserve Amount NA NA 138 Generating Reserve Amount NA NA 139 Supprinting Reserve Cost Distribution Amount NA NA 130 Supprinting Reserve Deloymert Charge Amount NA NA 141 Real Time Spinning Reserve Deloymert Charge Amount NA NA 142 Short-Term Reserve Deloymert Charge Amount NA NA 143 Net Regulation Adjustment Amount NA NA 144 Total Wholesale Market Charges 145 Total Wholesale Market Charges 146 Total Wholesale Market Charges 147 Small Co			Regulation Cost Distribution Amount				
133 Short-Term Reserve Cost Distribution Amount NA NA NA 134 Day Ahead Signing Reserve Amount NA NA NA 135 Real Time Spinning Reserve Amount NA NA NA 136 Spinning Reserve Cast Distribution Amount NA NA NA 137 Day Ahead Signifermitial Reserve Cast Distribution Amount NA NA NA 138 Real Time Sopring Reserve Amount NA NA NA 138 Real Time Sopring Reserve Amount NA NA NA 138 Real Time Sopring Reserve Amount NA NA NA 149 Real Time Sopring Reserve Amount NA NA NA 141 Feel Time Scopers Deficient Energy Deployment Party montoint NA NA NA 142 Short-Term Reserve Deployment Failure Charge Amount NA NA NA 143 Net Regulation Adjustment Amount NA NA NA 144 Total Wholesale Market Charges NA NA 14							
134 Day, Absed Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Cost Distribution Amount N/A N/A 137 Day, Abeed Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 139 Supplemental Reserve Amount N/A N/A 140 Contingercy Reserve Deployment Failure Charge Amount N/A N/A 141 Read Time Supplemental Reserve Amount N/A N/A 142 Short Ferm Reserve Deployment Failure Charge Amount N/A N/A 143 Neat Time Supplemental Reserve Amount N/A N/A 144 Neit Regulation Adjustment Amount N/A N/A 145 Langton Planter Deployment Failure Charge Amount N/A N/A 146 Via Regulation Adjustment Amount N/A N/A 147 Langton Planter Total MiSo ASM N/A 148 Purchased Power Langton Planter N/A	132		Real Time Short-Term Reserve Amount	N/A	N/A		
134 Day, Absed Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Cost Distribution Amount N/A N/A 137 Day, Abeed Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 139 Supplemental Reserve Amount N/A N/A 140 Contingercy Reserve Deployment Failure Charge Amount N/A N/A 141 Read Time Supplemental Reserve Amount N/A N/A 142 Short Ferm Reserve Deployment Failure Charge Amount N/A N/A 143 Neat Time Supplemental Reserve Amount N/A N/A 144 Neit Regulation Adjustment Amount N/A N/A 145 Langton Planter Deployment Failure Charge Amount N/A N/A 146 Via Regulation Adjustment Amount N/A N/A 147 Langton Planter Total MiSo ASM N/A 148 Purchased Power Langton Planter N/A	133		Short-Term Reserve Cost Distribution Amount	N/A	N/A		
135 Real Time Spinning Reserve Amount NA NA 136 Spinning Reserve Cost Distribution Amount NA NA 137 Day Abaed Supplemental Reserve Amount NA NA 138 Real Time Spinning Reserve Amount NA NA 139 Supplemental Reserve Amount NA NA 130 Contingency Reserve Deployment Allerecore Amount NA NA 141 Real Time Supplemental Reserve Amount NA NA 142 Short-Term Reserve Deployment Allaree Amount NA NA 143 Net Regulation Adjustment Amount NA NA 144 Total Wholesale Market Charges 145 Total Wholesale Market Charges 146 Total Wholesale Market Charges 151 Englew PA 152 Langdon PPA 153 Astratukal II PPA 154 Tribal (WAPA)							
136 Spinning Reserve Cost Distribution Amount N/A N/A 137 Doa Y.head Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 139 Supplemental Reserve Amount N/A N/A 140 Contingency Reserve Deployment Failure Charge Amount N/A N/A 141 Real Time Supplemental Reserve Cost Distribution Amount N/A N/A 142 Short-Term Reserve Deployment Failure Charge Amount N/A N/A 143 Net Regulation Adjustment Amount N/A N/A 144 Head Status N/A N/A 145 Total Wholesale Market Charges Image: Cost Status Image: Cost Status 146 Total Wholesale Market Charges Image: Cost Status Image: Cost Status 147 Image: Cost Status Image: Cost Status Image: Cost Status 148 Image: Cost Status Image: Cost Status Image: Cost Status 150 Image: Cost Status Image: Cost Status Image: Cost Status 151 Edgeley PPA Image: Cost Status Image: Cost Status 152 Langdon PPA Image: Cost Status Image: Cost Status 153 Natatus Image: Cost Status <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td>						1	
137 Day Ahead Supplemental Reserve Amount NA NA 138 Real Time Supplemental Reserve Amount NA NA 139 Supplemental Reserve Amount NA NA 140 Confingeory Reserve Deployment Charge Amount NA NA 141 Real Time Supplemental Reserve Cost Distribution Amount NA NA 142 Short-Term Reserve Deployment Charge Amount NA NA 143 Net Reserve Deployment Allexer Amount NA NA 144 Fort Sim Reserve Deployment Allexer Amount NA NA 145 Total Wholesale Market Charges Image: Simplemental Reserve Deployment Amount NA 146 Total Wholesale Market Charges Image: Simplemental Reserve Deployment Amount NA 146 Total Wholesale Market Charges Image: Simplemental Reserve Deployment Amount NA 147 Image: Simplemental Reserve Deployment Amount NA NA 146 Total Wholesale Market Charges Image: Simplemental Reserve Deployment Amount 147 Image: Simplemental Reserve Deployment Amount NA						1	
138 Real Time Supplemental Reserve Amount NA N/A 139 Supplemental Reserve Cost Distribution Amount NA N/A 140 Contingency Reserve Deployment Failure Charge Amount NA N/A 141 Real Time Excessive Deficient Energy Deployment Failure Charge Amount NA N/A 142 Short-Term Reserve Deployment Failure Charge Amount N/A N/A 143 Net Regulation Adjustment Amount N/A N/A 144 Total Wholesale Market Charges 145						+	1
139 Supplemental Reserve Cost Distribution Amount NA NA NA 140 Contingency Reserve Deployment Falure Charge Amount NA NA 141 Real Time Excessive Deployment Falure Charge Amount NA NA 142 Short-Tem Reserve Deployment Falure Charge Amount NA NA 143 Net Regulation Adjustment Amount NA NA 144 Total MISO ASM 145 Total MiSO ASM 146 Total Wholesale Market Charges 147 Fort Total Wholesale Market Charges 148 Edgeley PPA FORTECTED DATA BEGINS 150 Igencity (PROTECTED DATA BEGINS) 151 Edgeley PPA FORTECTED DATA BEGINS 152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 Shared Loads 158 Bilateral purchases 159 Market Purchases 161 Total Purchases 2,927,570 173 Small Co-gen 164 4,105 22,625 165 Shared Loads 166 Fuel Coats <td></td> <td></td> <td></td> <td></td> <td></td> <td>t</td> <td></td>						t	
140 Contingency Reserve Deployment Failure Charge Amount NA NA 141 Real Time Excessive Deployment Failure Charge Amount NA NA 142 Short-Tem Reserve Deployment Failure Charge Amount NA NA 143 Net Regulation Adjustment Amount NA NA 144 Total MISO ASM NA NA 144 Total Wholesale Market Charges Image: Charge Amount NA 145 Total Wholesale Market Charges Image: Charge Amount NA 146 Total Wholesale Market Charges Image: Charge Amount NA 147 Image: Charge Amount NA NA 148 Image: Charge Amount NA NA 149 Purchased Power Image: Charge Amount Image: Charge Amount 151 Edgeley PPA Image: Charge Amount Not Applicable to EAR - Excluded from Total 152 Langdon PPA Image: Charge Amount Not Applicable to EAR - Excluded from Total 153 Balaterial purchases Image: Charge Amount Not Applicable to EAR - Excluded from Total <							
141 Real Time Excessive Deligiournet Energy Deployment Charge Amount N/A N/A 142 Short-Term Reserve Deployment Failure Charge Amount N/A N/A 143 Net Regulation Adjustment Amount N/A N/A 144 Total MISO ASM N/A 145 Total Wholesale Market Charges Image: Charge Amount 147 Total Wholesale Market Charges Image: Charge Amount 148 Total Wholesale Market Charges Image: Charge Amount 149 Purchased Power Image: Charge Amount 150 Edgely PA Image: Charge Amount 151 Edgely PA Image: Charge Amount 152 Langdon PPA Image: Charge Amount 153 Ashtabula III PPA Image: Charge Amount 154 Tribal (WAPA) Image: Charge Amount 155 WAPA Energy Imbalance Image: Charge Amount 158 Bilateral purchases Image: Charge Amount 161 Total Purchases Z.897,570 2.921,421 162 Image: Charge Amount Image: Charge Amount 163 Sharde Loads Image: Charge Amount 164 Image: Charge Amount Image: Charge Amount 165 Asset Based Sales Image: Charge Amount							
142 Short-Term Reserve Deployment Failure Charge Amount NA NA 143 Net Regulation Adjustment Amount N/A N/A 144 Total MISO ASM N/A N/A 144 Total Wholesale Market Charges Image: Charge Amount N/A 146 Total Wholesale Market Charges Image: Charge Amount N/A 147 Image: Charge Amount N/A N/A 148 Image: Charge Amount Image: Charge Amount Image: Charge Amount 149 Purchased Power Image: Charge Amount Image: Charge Amount Image: Charge Amount 149 Purchased Power Image: Charge Amount Image: Charge Amount Image: Charge Amount 149 Purchased Power Image: Charge Amount Image: Charge Amount Image: Charge Amount 150 Langton PPA Image: Charge Amount Image: Charge Amount Image: Charge Amount Image: Charge Amount 151 Edgeley PPA Image: Charge Amount Image: Charge Amount Image: Charge Amount Image: Charge Amount 152 Shanted Loads Image							
143 NrA N/A N/A 144 Total MiSO ASM Image: Constraint of the second							
144 Total MISO ASM Image: Constraint of the second se	142		Short-Term Reserve Deployment Failure Charge Amount	N/A	N/A		
145 Total Wholesale Market Charges Image: Constraint of the second	143		Net Regulation Adjustment Amount	N/A	N/A		
145 Total Wholesale Market Charges Image: Constraint of the second	144		Total MISO ASM				
146 Total Wholesale Market Charges Image: Constraint of the second							
147 Image: Constraint of the second seco			Total Wholesale Market Charges				
148 Purchased Power Image: constraint of the second s						1	
149 Purchased Power 150 IPROTECTED DATA BEGINS 151 Edgeley PPA 152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160						1	
150 IPROTECTED DATA BEGINS 151 Edgeley PPA 152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 161 Total Purchases 162 Implementation 163 MiSO and SPP Energy Only 164 MiSO and SPP Energy Only 165 Switch Purchases 166 Total Purchases 167 Aset Based Sales 168 Historian Purchases 169 Credit to MN FCA Calculation - Subtracted from Total 160 Total Purchases 161 Total Purchases 162 Info Curtailment 163 Wind Curtailment 164 Total Purchases 165 Aset Based Sales 166 Fuel Costs 167 Asset Based Margins 168 - 169 Based Sales 160 - 161 Effective July 2022 - Docket No. E017/GR-20-719 162 - 163 - 164 - 165 Based Sales <t< td=""><td></td><td>Burchaso</td><td>d Bower</td><td></td><td></td><td>1</td><td></td></t<>		Burchaso	d Bower			1	
151 Edgeley PPA 152 Langdon PPA 153 Ashtabula III PPA 154 Tibai (WAPA) 155 WAPA Energy Imbalance 156 Strated Loads 157 Small Co-gen 158 Bilateral purchases 160		ruicilase	u Fowel	IDDOTECTED DAT			
152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Smail Co-gen 158 Bilateral purchases 159 Market Purchases 161 Total Purchases 163 Wind Curtailment 164 Total Purchases 165 Asset Based Sales 166 Fuel Costs 167 Asset Based Margins 168 - 169 Saset Based Margins 169 - 169 - 160 - 161 - 162 - 163 - 164 - 165 - 166 - 167 <td></td> <td></td> <td>E L L 201</td> <td>[PROTECTED DAT</td> <td>A DEGINS</td> <td></td> <td></td>			E L L 201	[PROTECTED DAT	A DEGINS		
153 Ashiabula III PPA 154 Tribai (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 MArket Purchases 160							
154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160 Total Purchases 161 Total Purchases 162							
155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 161 Total Purchases 162 PROTECTED DATA ENDSI 161 Total Purchases 162 PROTECTED DATA ENDSI 163 Wind Curtailment 163 Wind Curtailment 164 PROTECTED DATA ENDSI 164 PROTECTED DATA ENDSI 165 Asset Based Sales 166 Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 166 Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 168 169 Steam Plant Reagents 170 171 Steam/Water Sales 172 173 Planning Resource Auction Revenues 174							
156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160 PROTECTED DATA ENDS 161 Total Purchases 162 PROTECTED DATA ENDS 163 Wind Curtaiment 164 4,105 165 Asset Based Sales 166 Fuel Costs 167 Asset Based Margins 168 - 169 Based Sales 177 Steam Plant Reagents 178 - 179 Effective July 2022 - Docket No. E017/GR-20-719 171 Braining Resource Auction Revenues 173 Planning Resource Auction Revenues							Not Applicable to EAR - Excluded from Total
157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160 PROTECTED DATA ENDS] 161 Total Purchases 162 PROTECTED DATA ENDS] 163 Wind Curtailment 164 4,105 165 Asset Based Sales 166 Fuel Costs 167 Asset Based Margins 168 - 169 Bateral purchases 170 Asset Based Margins 168 - 169 Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales 172 - 173 Planning Resource Auction Revenues 174 -							
158 Bilderal purchases 159 Market Purchases 160 PROTECTED DATA ENDS] 161 Total Purchases 162 PROTECTED DATA ENDS] 163 Wind Curtailment 164 4,105 165 Asset Based Sales 166 Fuel Costs 167 Asset Based Margins 168 - 169 Based Sales 170 Steam/Plant Reagents 171 Steam/Water Sales 172 Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues							
158 Bilderal purchases 159 Market Purchases 160 PROTECTED DATA ENDS] 161 Total Purchases 162 PROTECTED DATA ENDS] 163 Wind Curtailment 164 4,105 165 Asset Based Sales 166 Fuel Costs 167 Asset Based Margins 168 - 169 Based Sales 170 Steam/Plant Reagents 171 Steam/Water Sales 172 Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues	157		Small Co-gen			T	
Is9 Market Purchases IMISO and SPP Energy Only 160 PROTECTED DATA ENDS] 161 Total Purchases 2,697,570 2,921,421 162 Initial (WAPA) excluded from Total 163 Wind Curtailment 4,105 22,625 164 Initial (Cost MV) and Margin MWH are not separated - Need to compare total As 165 Asset Based Sales 175,212 263,805 166 Fuel Costs - Based Sales 167 Asset Based Margins - - 168 - - Effective July 2022 - Docket No. E017/GR-20-719 170 - - Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales - - 172 - - Effective July 2022 - Docket No. E017/GR-20-719 172 - - Effective July 2022 - Docket No. E017/GR-20-719 173 - - Effective July 2022 - Docket No. E017/GR-20-719 174 - - Effective July 2022 - Docket No. E017/GR-20-719						1	
160 POTECTED DATA ENDS 161 Total Purchases 2,697,670 2,921,421 Tribal (WAPA) excluded from Total 162 163 Wind Curtailment 4,105 22,625 164 4,105 22,625 164 165 Asset Based Sales 175,212 263,805 Credit to MN FCA Calculation - Subtracted from Total 166 Fuel Costs - Based Sales 182 VWN and Margin MWH are not separated - Need to compare total As 166 Fuel Costs - - Based Sales 167 Asset Based Margins - - Based Sales 167 Asset Based Margins - - Based Sales 168 - - Based Sales - 170 - - Effective July 2022 - Docket No. E017/GR-20-719 170 - -			Market Purchases			1	MISO and SPP Energy Only
161 Total Purchases 2,697,570 2,921,421 Tribal (WAPA) excluded from Total 162 163 Wind Curtailment 4,105 22,625 164 1 1 1 165 Asset Based Sales 175,212 263,805 166 Fuel Costs 1 1 167 Asset Based Margins . . 168 . . Based Sales 169 Steam Plant Reagents . . 170 . . Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales . . 172 . . Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues . . 173 . . Effective July 2022 - Docket No. E017/GR-20-719				PRO		NDS1	
162 162 163 164 164 163 Wind Curtailment 4,105 22,625 164 165 Asset Based Sales 175,212 263,805 Credit to MN FCA Calculation - Subtracted from Total 166 Fuel Costs - Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 167 Asset Based Margins - - Based Sales 167 Asset Based Margins - - Based Sales 168 - - Based Sales - 170 - - Effective July 2022 - Docket No. E017/GR-20-719 170 - - Effective July 2022 - Docket No. E017/GR-20-719 171 - - Effective July 2022 - Docket No. E017/GR-20-719 172 - - Effective July 2022 - Docket No. E017/GR-20-719 172 - - Effective July 2022 - Docket No. E017/GR-20-719 173 - - Effective July 2022 - Docket No. E017/GR-20-719			Total Burchasos				Tribal (MAPA) excluded from Total
163 Wind Curtailment 4,105 22,625 164 165 Asset Based Sales 175,212 263,805 Credit to MN FCA Calculation - Subtracted from Total 165 Asset Based Sales 175,212 263,805 Credit to MN FCA Calculation - Subtracted from Total 166 Fuel Costs - Based Sales Fuel Cost MVh and Margin MWH are not separated - Need to compare total As 167 Asset Based Margins - - Based Sales 168 Fuel Cost MVh and Margin MWH are not separated - Need to compare total As - Based Sales 168 - - Based Sales - - 169 Steam Plant Reagents - - Effective July 2022 - Docket No. E017/GR-20-719 170 - - - Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales - - Effective July 2022 - Docket No. E017/GR-20-719 172 - - - Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues - - Effective July 2022 -			Total Purchases	2,031,370	2,321,421	+	The man and a sound that total
164 Credit to MN FCA Calculation - Subtracted from Total 165 Asset Based Sales 175,212 263,805 Credit to MN FCA Calculation - Subtracted from Total 166 Fuel Cost MWh and Margin MWH are not separated - Need to compare total As Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 167 Asset Based Margins - - Based Sales 168 - - Based Sales 169 Steam Plant Reagents - - 170 - - Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales - - 172 - - Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues - - 174 - - Effective Juny 2022 - Docket No. E017/GR-20-719		Wind Cur	toilmont	4 405	22.625	ł	
165 Asset Based Sales 175,212 263,805 Credit to MN FCA Calculation - Subtracted from Total 166 Fuel Costs - Based Sales 167 Asset Based Margins - - 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 169 Steam Plant Reagents - 170 Effective July 2022 - Docket No. E017/GR-20-719 170 Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales - 172 Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues - 174 Effective July 2022 - Docket No. E017/GR-20-719		wina cur	laiment	4,105	22,625	ł	
Fuel Cost MVh and Margin MWH are not separated - Need to compare total As Based Sales 167 Asset Based Margins 168 - 169 Fuel Cost MWh and Margin MWH are not separated - Need to compare total As Based Sales 169 Steam Plant Respents 170 - 171 Steam/Water Sales 172 - 173 Planting Resource Auction Revenues 174 -		<u> </u>	10.1				
166 Fuel Costs Based Sales 167 Asset Based Margins Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 168 Based Sales 169 Steam Plant Reagents Effective July 2022 - Docket No. E017/GR-20-719 170 Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales Effective July 2022 - Docket No. E017/GR-20-719 172 Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues Effective July 2022 174 Effective July 2022	165	Asset Bas	sed Sales	175,212	263,805		
Information Fuel Cost MWh and Margin MWH are not separated - Need to compare total As 167 Asset Based Margins - Based Sales 168 - Effective July 2022 - Docket No. E017/GR-20-719 170 - Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales - Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales - Effective July 2022 - Docket No. E017/GR-20-719 172 - Effective July 2022 - Docket No. E017/GR-20-719 - 173 Planning Resource Auction Revenues - Effective July 2022 - 174 - Effective July 2022 - -						1	
167 Asset Based Margins - Based Sales 168 - - Based Sales 169 Steam Plant Reagents - - Effective July 2022 - Docket No. E017/GR-20-719 170 - - Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales - - Effective July 2022 - Docket No. E017/GR-20-719 172 - - Effective July 2022 - Docket No. E017/GR-20-719 - 173 Planning Resource Auction Revenues - - Effective July 2022 174 - - Effective July 2022 - -	166		Fuel Costs	-	-	I	
168		1 1				1	
168 Effective July 2022 - Docket No. E017/GR-20-719 170 Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales - 172 Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues - 174 - Effective July 2022	167	1 1	Asset Based Margins	-	-	1	Based Sales
169 Steam Plant Reagents - Effective July 2022 - Docket No. E017/GR-20-719 170 Image: Constraint of the state sta	168						
170 171 Steam/Water Sales - 172 Effective July 2022 - Docket No. E017/GR-20-719 172 - 173 Planning Resource Auction Revenues 174 - 174 Effective July 2022		Steam Pla	ant Reagents		-	1	Effective July 2022 - Docket No. E017/GR-20-719
171 Steam/Water Sales - Effective July 2022 - Docket No. E017/GR-20-719 172 - - Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues - Effective July 2022 174 - Effective June 2022						1	
172		Steam/W	ater Sales	-	-	1	Effective July 2022 - Docket No. E017/GR-20-719
173 Planning Resource Auction Revenues - Effective June 2022 174		S.Carry We		-		+	
174		Diannin a	Posource Austion Boyonues			+	Effective June 2022
		rianning	NESOUICE AUCION REVENUES	•	-	ł	LIIGUIVE JUIE 2022
1/5 I otal System - Plant Level 5,347,263 5,808,558 I ribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total		Tetal O	In the second	F 0 /7	F 000 550		Table ((MADA) and ded from Total, Asset Description of Delegandric 11 Total
	1/5	i otai sys	tem - Flant Level	5,347,263	5,808,558	I	Tribar (www.w) excluded from Total; Asset Based Sales subtracted from Total

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

Att3 Rate CalculationMN OTP Initial Filing 2021-05-04 Total OTP-Owned (Plant Gen) Total Purchases - Tribal Excluded (Asset Based Sales) Att8 Rate CalculationMN OTP Initial Filing 2021-05-05 Wind Curtailment



			Year to Date 2022	Forecast to Actua	al - \$ per N	IWh
			YTD 2022	YTD 2022		
Line	Plant Ger		Forecast [PROTECTED DAT/	Actual A BEGINS		Notes
1 2		Big Stone Coyote	_			
3		Hoot Lake #2	_			Hoot Lake plant closed in May 2021
4		Hoot Lake #3				
6		Total Coal	\$ 25.33	PROTECTED DAT \$ 24.38	A ENDS	
7 8		Langdon Wind	[PROTECTED DAT	A BEGINS		
9		Ashtabula Wind	-			
10 11		Luverne Wind Merricourt	-			
12				PROTECTED DAT	A ENDS]	
13 14		Total Wind	\$ -	\$-		
15 16		Total Hydro	\$ - [PROTECTED DAT	\$ -		
16		Jamestown 1		A BEGINS		
18 19		Jamestown 2 Lake Preston	-	-		
20				PROTECTED DAT	A ENDS	
21 22		Total Oil - Peaking Units	\$ 237.85 [PROTECTED DATA			
23		Natural gas - Solway	_			
24 25		Natural gas - Astoria		PROTECTED DAT	A ENDS]	
26 27		Total Natural Gas	\$ 29.60 [PROTECTED DAT			
28		Solar - Blue Jay		A BEGINS		
29 30		Solar - Blue Heron		PROTECTED DAT		
31		Total Solar	N/A	\$ -	A ENDO	
32 33		Total OTP-Owned	\$ 15.39	\$ 20.76		
34	14/1		. 10.09	20.10		
35 36	Wholesal	e Market Charges MISO Wholesale Market Charges				
37	555.02	DA Asset Energy Amount***	N/A	N/A		
38 39	555.04 555.09	DA FBT Loss Amount DA Non-asset Energy Amount***	N/A N/A	N/A N/A		
40	555.19	RT Asset Energy Amount*** RT Distribution of Losses Amount	N/A N/A	N/A N/A		
41	555.24 555.21	RT FBT Loss Amount	N/A N/A	N/A N/A		
43 44		DA Loss Amount RT Loss Amount	N/A N/A	N/A N/A		
44	555.26	RT Non-Asset Energy Amount***	N/A	N/A		
46 47	555.08 555.12	DA Losses Rebate on Option B GFA DA Virtual Energy Amount	N/A N/A	N/A N/A		
48	555.32	RT Virtual Energy Amount	N/A	N/A		
49 50	555.01 555.18	DA Mkt Admin Amount RT Mkt Admin Amount	N/A N/A	N/A N/A		
51	555.13	FTR Mkt Admin Amount	N/A	N/A		
52 53	555.03	DA FBT Congestion Amount DA Congestion	N/A N/A	N/A N/A		
54	555.2	RT FBT Congestion Amount	N/A	N/A		
55 56	555.14	RT Congestion FTR Hourly Allocation Amount	N/A N/A	N/A N/A		
57	555.15	FTR Monthly Allocation Amount	N/A	N/A		
58 59	555.17 555.35	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	N/A N/A	N/A N/A		
60 61	555.36 555.37	FTR Full Funding Guarantee Amount FTR Guarantee Uplift Amount	N/A N/A	N/A N/A		
62	555.39	FTR Auction Revenue Rights Transaction Amount	N/A	N/A		
63 64	555.38 555.40	FTR Annual Transaction Amount FTR Auction Revenue Rights Infeasible Uplift Amount	N/A N/A	N/A N/A		
65	555.41	FTR Auction Revenue Rights Stage 2 Distribution Amount	N/A	N/A		
66 67	555.07 555.1	DA Congestion Rebate on Option B GFA DA Revenue Sufficiency Guarantee Distribution Amount	N/A N/A	N/A N/A		
68	555.11	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A	N/A		
69 70	555.29 555.3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	N/A N/A	N/A N/A		
71	555.42	RT Price Volatility Make Whole Payment	N/A	N/A		
72	555.28 555.25	RT Revenue Neutrality Uplift Amount RT Misc Amount	N/A N/A	N/A N/A		
74	555.27	RT Net Inadvertent Amount	N/A	N/A		
75 76	555.59	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	N/A N/A	N/A N/A		
77	555.63	DA Ramp Product	N/A	N/A		
79	555.65	RT Ramp Product RT Schedule 49 Cost Distribution Amount	N/A N/A	N/A N/A		
80 81		RT ASM Non-Excessive Energy Amount*** RT ASM Excessive Energy Amount***	N/A N/A	N/A N/A		
82	555.05	DA Congestion Rebate on COGA	N/A	N/A		
83 84	555.06 555.22	DA Losses Rebate on COGA RT Congestion Rebate on COGA	N/A N/A	N/A N/A		
85	555.23	RT Loss Rebate on COGA	N/A	N/A		
86 87		Net Congestion and Losses Adjustment & No DA Generation Schedule	N/A	N/A	<u> </u>	
88		Total MISO Wholesale Market Charges				
89 90		SPP Wholesale Market Charges				
91	555.19	DA Asset Energy Amount***	N/A	N/A		
92 93	555.03 555.09	DA Non-asset Energy Amount RT Asset Energy Amount***	N/A N/A	N/A N/A		
94 95	555 555.02	RT Non-Asset Energy Amount DA Make-Whole-Payment Distribution Amount	N/A N/A	N/A N/A		
96	555.1	RT Make-Whole-Payment Distribution Amount	N/A	N/A		
97 98	555.18 555.15	RT Revenue Sufficiency Guarantee Distribution Amount RT Revenue Neutrality Uplift Distribution Amount	N/A N/A	N/A N/A		
99	555.04	DA Regulation-Down Distribution Amount	N/A	N/A		
	555.05 555.06	DA Regulation-Up Distribution Amount DA Spinning Reserve Distribution Amount	N/A N/A	N/A N/A		+
102	555.07	DA Supplemental Reserve Distribution Amount	N/A	N/A		
103 104	555.08 555.11	RT Contingency Reserve Deployment Failure Amount RT Over-Collected Losses Distribution Amount	N/A N/A	N/A N/A		
105	555.12	RT Regulation-Down Distribution Amount	N/A	N/A		
107	555.14	RT Regulation Non-Performance Distribution Amount RT Regulation-Up Distribution Amount	N/A N/A	N/A N/A		
108	555.16	RT Spinning Reserve Distribution Amount	N/A	N/A		
110	555.17 555.2	RT Supplemental Reserve Distribution Amount RT Pseudo Tie Congestion Amount	N/A N/A	N/A N/A		
111 112	555.21 555.23	RT Pseudo Tie Loss Amount Miscellaneous Amount	N/A N/A	N/A N/A		
113	555.26	ARR Closeout Yearly Amount	N/A	N/A		
114 115	555.28 555.29	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	N/A N/A	N/A N/A		
115	JJJJ.29		N/A	N/A		l

PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA:20-462 Attachment 3 Page 78 of 78

117 553.1 DA Reng Do Distriction Amount NA NA <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>							
118 65.32 DA Ram Dom Distribution Amount NA NA<	116		RT Schedule 1A4 Amount	N/A	N/A		
119 55.33 RF Baru LD Stebulkon Amount NA NA Nave drage fyse h 3022 121 55.54 RF Baru LD Stebulkon Amount NA NA Nave drage fyse h 3022 121 55.55 RF Baru LD Stebulkon Amount NA NA Nave drage fyse h 3022 121 55.52 RF Baru LD Stebulkon Amount NA NA Nave drage fyse h 3022 122 55.52 DA GFA Carve QD Extinuion Disployment Venix Amount NA NA Nave 122 DB Sy Amad Stepulson Amount NA NA NA NA 123 DD Ny Amad Regulation Amount NA NA NA NA 123 DB Ny Amad Stepulson Amount NA NA NA NA 124 DB Ny Amad Stepulson Amount NA NA NA NA 123 DB Tem Estance Amount NA NA NA NA 123 DB Stepulson Amount NA NA NA NA 134 DB Ny Amad Stepulson Amount NA NA NA NA 135 BEast Tem Resparke Amount NA	117						
130 65.54 RT Fame Log Distribution Annount NA N	118			N/A	N/A		New charge type in 2022
101 65.3 R1 Ram Dur Distribution Anount NA NA New charge type In 2022 125 155.5 R1 Ram Dur Distribution Anount NA NA New charge type In 2022 125 202 126 Ram Dur Distribution Digitizement Distribution NA NA NA 126 0.57 0.67 Carve Que Distribution Digitizement Versity Anount NA NA NA 126 0.67 Carve Que Distribution Digitizement Versity Anount NA NA NA 127 0.67 Carve Que Distribution Digitizement Versity Anount NA NA NA 128 Rag Time Regutation Anount NA NA NA 129 Regutation Card Distribution Anount NA NA NA 130 Regutation Card Distribution Anount NA NA NA 131 Regutation Card Distribution Anount NA NA NA 132 Reserve Anount NA NA NA 133 Short-Tem Reserve Anount NA NA NA 134 Day Aned Springs Reserve Anount NA NA NA 135 Regutation Agazerne Reserve Anount NA NA NA 136 Regutatine Reserve Anount NA NA NA	119	555.33	RT Ramp Non Performance Distribution Amount	N/A	N/A		New charge type in 2022
131 65.5 RT Ranc Down Distriction Relation Anomat NA NA NA 135 65.2 DA GFA Carva Que Distriction Diglommet Daly Anomat NA NA 135 65.2 DA GFA Carva Que Distriction Diglommet Daly Anomat NA NA 135 65.2 DA GFA Carva Que Distriction Diglommet Daly Anomat NA NA 135 GFA Carva Que Distriction Protocols Total SPP Wholesake Marks Charge	120	555.34	RT Ramp Up Distribution Amount	N/A	N/A		
122 652 00 A GFA Care Out Distribution Declorement Daily Amount NA NA 126 6552 00 A GFA Care Out Distribution Declorement Yeahy Amount NA NA 126 Total SP Wholesale Market Charges NA NA 127 MSO ASM NA NA 128 Day Ahead Regulation Amount NA NA 129 Day Ahead Regulation Amount NA NA 129 Day Ahead Regulation Amount NA NA 129 Read Time Regulation Amount NA NA 129 Read Time Regulation Amount NA NA 129 Read Time Regulation Amount NA NA 120 Read Time Regulation Amount NA NA 120 Read Time Regulation Amount NA NA 121 Day Ahead Stort-Time Reserve Amount NA NA 123 Boar Ahead Stort-Time Reserve Amount NA NA 124 Boar Ahead Stort-Time Reserve Amount NA NA 125 Day Ahead Regulation Amount NA NA 126 Day Ahead Stort-Time Reserve Amount NA NA 127 Boar Ahead Stort-Time Reserve Amount NA NA 128 Read Time Stort-Time Reserve							
123 6522 0.A GFA Care OLD BisPusion Deloyment Monthy Amount NA NA 126 6527 0.A GFA Care OLD BisPusion Deloyment Yathy Amount NA NA 126 Mito ASM Total SPP Wholesale Market Charges NA NA 127 Mito ASM NA NA NA 128 Day Abast Regulation Amount NA NA NA 129 Regulation Card Distribution Amount NA NA NA 130 Day Abast Regulation Amount NA NA NA 131 Board Amount Amount NA NA NA 132 Day Abast Spinning Reserve Amount NA NA NA 133 Dahori-Fern Reserve Card Distribution Amount NA NA NA 133 Dahori-Fern Reserve Card Distribution Amount NA NA NA 134 Day Abast Spinning Reserve Amount NA NA NA 135 Reat Time Synatop Reserve Amount NA NA NA 136 Dayning Reserve Card Distribution Amount NA NA NA 137 Dayning Reserve Card Distribution Amount NA NA NA 138 Supplemental Reserve Amount NA NA NA </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>New charge type in 2022</td>							New charge type in 2022
134 65.27 DA GPA Caree Out Bathuism Deployment Yasiry Amount Total SPP Molesaie Market Charges NA NA 135 Intel A SM Intel A SM Intel A SM Intel A SM 136 Intel A SM Intel A SM Intel A SM Intel A SM 137 Day Ahead Regulation Amount NA NA Intel A SM 138 Regulation Cost Bathuism Amount NA NA Intel A SM 139 Regulation Cost Bathuism Amount NA NA Intel A SM 139 Regulation Cost Bathuism Amount NA NA Intel A SM 131 Both Tem Reserve Amount NA NA Intel A SM 133 Reat Time Specing Reserve Amount NA NA Intel A SM 133 Reat Time Specing Reserve Amount NA NA Intel A SM 134 Reat Time Specing Reserve Amount NA NA Intel A SM 135 Reat Time Specing Reserve Amount NA NA Intel A SM 135 Reat Time Specing Reserve Amount NA NA <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
125 Image: matrix space							
128 MISO ASM NA NA 128 Day Asead Regulation Amount NA NA 129 Day Asead Regulation Amount NA NA 131 Day Asead Short-Term Reserve Amount NA NA 131 Day Asead Short-Term Reserve Amount NA NA 133 Day Asead Short-Term Reserve Amount NA NA 133 Day Asead Short-Term Reserve Amount NA NA 134 Day Asead Short-Term Reserve Amount NA NA 135 Short-Term Reserve Cast Distribution Amount NA NA 136 Day Ahead Short-Term Reserve Cast Distribution Amount NA NA 137 Day Ahead Short-Term Reserve Cast Distribution Amount NA NA 138 Real Time Suppresental Reserve Amount NA NA 139 Suppresental Reserve Cast Distribution Amount NA NA 139 Suppresental Reserve Cast Distribution Amount NA NA 141 Commerce Reserve Distribution Amount NA NA 142<		555.27		N/A	N/A		
121 MiSO ASM NA 122 Bay Abad Regulation Amount NA NA 123 Bay Abad Regulation Amount NA NA 124 Bay The Regulation Amount NA NA 125 Real Time Regulation Amount NA NA 124 Bay Abad Spinning Reserve Amount NA NA 123 BShort Tem Reserve Amount NA NA 124 Day Abad Spinning Reserve Amount NA NA 125 Real Time Searce Coll Bathtution Amount NA NA 126 Bay Integerve Amount NA NA 127 Bay Mad Spinning Reserve Amount NA NA 128 Bay Integerve Catol Bathtution Amount NA NA 129 Bay Integerve Catol Bathtution Amount NA NA 129 Supplemental Reserve Catol Bathtution Amount NA NA 129 Supplemental Reserve Catol Bathtution Amount NA NA 129 Supplemental Reserve Amount NA NA 120 Supplemental Reserve Amount NA NA 121 Real Time Excessive Delower Thance Amount NA NA 121 Real Time Reserve Delower Thance Amount NA			Total SPP Wholesale Market Charges				
128 Dw Ahead Begulation Amount NA NA 139 Regulation Amount NA NA 130 Definite Regulation Amount NA NA 131 Definite Regulation Amount NA NA 131 Definite Restrict Amount NA NA 131 Definite Restrict Amount NA NA 132 Definite Restrict Amount NA NA 133 Read Time System Restrict Amount NA NA 134 Definite Restrict Amount NA NA 135 Read Time System Restrict Amount NA NA 136 Spinning Restrict Amount NA NA 137 Dip Ahead Spinning Restrict Amount NA NA 138 Read Time System Amount NA NA 139 Read Time System Amount NA NA 131 Dip Ahead Spinning Restrict Amount NA NA 133 Read Time System Amount NA NA 144 Restrict Time System Amount NA NA 145 Contingency Reserve Roginame Failurg Charge Amount NA NA 146 Total Miso Add NA NA 147 Total Wholesale Market							
120 Real Time Regulation Amount N/A N/A 131 Day Abasa Short-Term Reserve Amount N/A N/A 131 Day Abasa Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Amount N/A N/A 134 Short-Term Reserve Amount N/A N/A 135 Real Time Signific Reserve Amount N/A N/A 136 Real Time Signific Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 139 Supplemental Reserve Amount N/A N/A 140 Contingency Reserve Cost Distribution Amount N/A N/A 141 Real Time Supplemental Reserve Amount N/A N/A 142 Contingency Reserve Cost Distribution Amount N/A N/A 143 Real Time Supplemental Reserve Amount N/A N/A 144 Contingency Reserve Cost Distribution Amount N/A N/A 145 Total Wholesale Market Charges N/A N/A	127		MISO ASM				
120 Real Time Regulation Amount N/A N/A 131 Day Abasa Short-Term Reserve Amount N/A N/A 131 Day Abasa Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Amount N/A N/A 134 Short-Term Reserve Amount N/A N/A 135 Real Time Signific Reserve Amount N/A N/A 136 Real Time Signific Reserve Amount N/A N/A 137 Day Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 139 Supplemental Reserve Amount N/A N/A 140 Contingency Reserve Cost Distribution Amount N/A N/A 141 Real Time Supplemental Reserve Amount N/A N/A 142 Contingency Reserve Cost Distribution Amount N/A N/A 143 Real Time Supplemental Reserve Amount N/A N/A 144 Contingency Reserve Cost Distribution Amount N/A N/A 145 Total Wholesale Market Charges N/A N/A	128		Day Ahead Regulation Amount	N/A	N/A		
130 Regulation Cost Distribution Amount N/A N/A 131 Day Ahead Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Amount N/A N/A 134 Short-Term Reserve Amount N/A N/A 135 Short-Term Reserve Amount N/A N/A 136 Real Time Signing Reserve Amount N/A N/A 137 Dar Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Signing Reserve Amount N/A N/A 139 Supplemental Reserve Amount N/A N/A 139 Supplemental Reserve Amount N/A N/A 139 Supplemental Reserve Amount N/A N/A 140 Contingency Reserve Delongency Reserve Amount N/A N/A 141 Supplemental Reserve Amount N/A N/A 142 Short-Term Reserve Delongency Reserve Amount N/A N/A 143 N/A N/A N/A 144 Total Wholesale Market Charge Amount N/A N/A 145 Port-Total Wholesale Market Charge Amount N/A N/A 146 Total Wholesal				N/A	N/A		
131 Day Anaed Short-Term Reserve Amount N/A N/A 132 Real Time Short-Term Reserve Amount N/A N/A 133 Short-Term Reserve Cost Distribution Amount N/A N/A 134 Day Aneed Spring Reserve Amount N/A N/A 135 Real Time Sport-Term Reserve Amount N/A N/A 136 Real Time Sport-Reserve Amount N/A N/A 137 Day Aheed Spring Reserve Amount N/A N/A 138 Real Time Supplemental Reserve Amount N/A N/A 139 Supplemental Reserve Cost Distribution Amount N/A N/A 140 Contingerve Reserve Delord Energy Deloyment Falue Charge Amount N/A N/A 141 Real Time Sport-Reserve Delord Energy Deloyment Falue Charge Amount N/A N/A 142 Short-Term Reserve Delord Energy Deloyment Falue Charge Amount N/A N/A 143 Ne Regulation Adjustment Amount N/A N/A 144 Real Time Stort-Reserve Delord Energy Deloyment Charge Amount N/A N/A 145 N/A N/A N/A 146 Total Wholesale Market Charges I/A N/A 147 Reserve Amount N/A 148 I/A <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
132 Real Time Short-Term Reserve Amount N/A N/A 133 Bönt-Term Reserve Coll Bathbulion Amount N/A N/A 134 Day Ahead Spanning Reserve Amount N/A N/A 135 Real Time Sprincing Reserve Amount N/A N/A 136 Bati Time Sprincing Reserve Amount N/A N/A 137 Day Ahead Spanning Reserve Cost Distribution Amount N/A N/A 138 Sprinting Reserve Cost Distribution Amount N/A N/A 139 Day Ahead Spanning Reserve Deloyment Faire Amount N/A N/A 130 Supplemental Reserve Cost Distribution Amount N/A N/A 131 Real Time Sconsive Deloyment Faire Amount N/A N/A 132 Supplemental Reserve Cost Distribution Amount N/A N/A 134 Real Time Sconsive Deloyment Faire Amount N/A N/A 144 Real Time Sconsive Deloyment Faire Amount N/A N/A 145 Total MibleSale Market Charges Image: Charge Amount N/A 146 Total MibleSale Market Charges Image: Charge Amount N/A 147 Total MibleSale Market Charges Image: Charge Amount N/A 148 Image: Charge Amount N/A Image: Ch							
133 Short-Term Reserve Cool Distibution Amount NA NA 134 Day Ahead Spinning Reserve Amount NA NA 135 Real Time Signing Reserve Amount NA NA 136 Spinning Reserve Amount NA NA 137 Day Ahead Spinning Reserve Amount NA NA 138 Real Time Signing Reserve Amount NA NA 139 Day Indea Supplemental Reserve Amount NA NA 139 Spinning Reserve Amount NA NA 139 Real Time Society Distribution Amount NA NA 139 Real Time Society Distribution Amount NA NA 141 Reserve Cast Distribution Amount NA NA 142 Short-Term Reserve Degroyment Falure Charge Amount NA NA 143 Ner Regulation Adjustment Amount NA NA 144 Total Miblo ASM NA 145 Total Miblo ASM NA 146 Total Miblo ASM NA 147 Horizant Amount NA 148 Parchased Power NA 149 Total Miblo ASM 140 Total Miblo ASM							
134 Day Anead Spinning Reserve Amount N/A N/A 135 Real Time Spinning Reserve Amount N/A N/A 136 Spinning Reserve Cost Distribution Amount N/A N/A 137 Dgy Ahead Supplemental Reserve Amount N/A N/A 138 Real Time Spinning Reserve Amount N/A N/A 139 Supplemental Reserve Amount N/A N/A 140 Contigency Reserve Cost Distribution Amount N/A N/A 141 Real Time Excessive Deficier Encarge Amount N/A N/A 142 Short-Term Reserve Deployment Failure Charge Amount N/A N/A 143 Net Regulation Adjustment Amount N/A N/A N/A 144 Reserve Despoyment Failure Charge Amount N/A N/A N/A 145 Net Regulation Adjustment Amount N/A N/A N/A 145 Net Regulation Adjustment Amount N/A N/A N/A 146 Total Wholesale Market Charges Image: Charge Amount N/A 147							
136 Real Time Spinning Reserve Amount NA NA NA 136 Spinning Reserve Amount NA NA NA 137 Day Ahaad Supplemental Reserve Amount NA NA NA 138 Real Time Supplemental Reserve Amount NA NA NA 139 Supplemental Reserve Amount NA NA NA 139 Supplemental Reserve Amount NA NA NA 140 Contingency Reserve Deloyingent Plaue Charge Amount NA NA NA 141 Real Time Excessive Delotent Energy Delotyment Charge Amount NA NA NA 143 Net Regulation Adjustment Amount NA NA NA Interpretation Reserve Delotyment Charge Amount							
138 Spinning Reserve Cost Distribution Amount NA NA Instrumental Reserve Amount NA NA 138 Real Time Supplemental Reserve Amount NA NA NA 138 Real Time Supplemental Reserve Amount NA NA NA 139 Supplemental Reserve Amount NA NA NA 140 Contingency Reserve Deployment Failure Charge Amount NA NA NA 141 Real Time Excession Defloyment Failure Charge Amount NA NA NA 142 Short-Term Reserve Deployment Failure Charge Amount NA NA NA 143 Ner Regulation Adjustment Amount NA NA NA 144 Total MISO ASM NA Instance 144 Instance Instance 145 Instance Instance 144 Instance Instance Instance Instance						I	
137 Day Ahead Supplemental Reserve Amount NA NA 138 Real Time Supplemental Reserve Amount NA NA 139 Supplemental Reserve Amount NA NA 130 Supplemental Reserve Cotol Distribution Amount NA NA 141 Real Time Supplemental Reserve Deployment Daire Charge Amount NA NA 142 Short-Term Reserve Deployment Daire Charge Amount NA NA 143 Net Regulation Adjustment Amount NA NA 144 Total Misolasale Market Charge NA NA 145 Total Wholesale Market Charge NA NA 146 Total Wholesale Market Charge NA NA 147 Edgalev PA IPROTECTED DATA BEGINS I 148 Purchased Power Image: Charge	135						
137 Day Ahead Supplemental Reserve Amount NA NA 138 Real Time Supplemental Reserve Amount NA NA 139 Supplemental Reserve Amount NA NA 130 Supplemental Reserve Cotol Distribution Amount NA NA 141 Real Time Supplemental Reserve Deployment Daire Charge Amount NA NA 142 Short-Term Reserve Deployment Daire Charge Amount NA NA 143 Net Regulation Adjustment Amount NA NA 144 Total Misolasale Market Charge NA NA 145 Total Wholesale Market Charge NA NA 146 Total Wholesale Market Charge NA NA 147 Edgalev PA IPROTECTED DATA BEGINS I 148 Purchased Power Image: Charge	136			N/A	N/A		
138 Real Time Supplemental Reserve Amount NA NA 139 Supplemental Reserve Amount NA NA 140 Contingency Reserve Deployment Failure Charge Amount NA NA 141 Real Time Excessive Deployment Failure Charge Amount NA NA 142 Short-Firm Reserve Deployment Failure Charge Amount NA NA 143 Net Regulation Adjustment Amount NA NA 144 Met Regulation Adjustment Amount NA NA 145 Total Wholesale Market Charges 146 Total Wholesale Market Charges 147 148 Total Wholesale Market Charges 149 Purchased Power 150 Edgeley PPA 151 Edgeley PPA 152 Asthabula II PPA 153 Market Durchases \$ 33.02				N/A	N/A	1	
139 Supplemental Reserve Cost Distitution Amount NA NA 140 Contingency Reserve Deployment Flaure Charge Amount N/A N/A 141 Real Time Excessive Defloyment Flaure Charge Amount N/A N/A 142 Short-Term Reserve Deployment Flaure Charge Amount N/A N/A 143 Net Regulation Adjustment Amount N/A N/A 144 Total MISO ASM 145 Total MISO ASM 146 Total MISO ASM 147 148 Total MISO ASM 149 140 Total MISO ASM 141 141 141 141						1	
140 Contingency Reserve Deployment Failure Charge Amount N/A N/A N/A 141 Real Time Excessive Deflocine Failure Charge Amount N/A N/A N/A 142 Short-Term Reserve Deployment Failure Charge Amount N/A N/A N/A 143 Net Regulation Adjustment Amount N/A N/A N/A 144 Total Miso ASM N/A N/A N/A 145 Total Miso ASM N/A N/A N/A 146 Total Misolesie Market Charges 147 148 Total Misolesie Market Charges 149 Chased Power 150 Edgeley PPA 151 Edgeley OPA Not Applicable to EAR - Excluded from Total 152 Langdon PPA 153 Ashtabuia II PPA						1	
141 Real Time Excessive Deployment Charge Amount N/A N/A 142 Short-Term Reserve Deployment Failure Charge Amount N/A N/A 143 Net Regulation Adjustment Amount N/A N/A 144 Net Regulation Adjustment Amount N/A N/A 145 Image: Charge Amount N/A N/A 146 Total Wholesale Market Charge Image: Charge Amount N/A 147 Total Wholesale Market Charge Image: Charge Amount Image: Charge Amount 147 Total Wholesale Market Charge Image: Charge Amount Image: Charge Amount 148 Image: Charge Amount Image: Charge Amount Image: Charge Amount Image: Charge Amount 149 Purchased Power Image: Charge Amount Image: Charge Amount Image: Charge Amount Image: Charge Amount 150 Edgeley PPA Image: Charge Amount Image: Charge Amount Not Applicable to EAR - Excluded from Total 153 Ashtabula III PPA Image: Charge Amount Not Applicable to EAR - Excluded from Total 156 Shared Loads Image: Charge Amount <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
142 Short-Term Reserve Deployment Failure Charge Amount N/A N/A N/A 143 Ner Regulation Adjustment Amount Total MISO ASM N/A N/A 144 Total MISO ASM N/A N/A N/A 145 Total MISO ASM N/A N/A N/A 146 Total Wholesale Market Charges Image: Charge Amount Image: Charge Amount 147 Image: Charge Amount Image: Charge Amount Image: Charge Amount 148 Image: Charge Amount Image: Charge Amount Image: Charge Amount 149 Purchased Power Image: Charge Amount Image: Charge Amount Image: Charge Amount 149 Purchased Power Image: Charge Amount Image: Charge Amount Image: Charge Amount 151 Edgeley PA Image: Charge Amount			Contingency Reserve Deployment Failure Charge Amount				
143 Net Regulation Adjustment Amount N/A N/A 144 Total Wholesale Market Charges Image: Constraint of the second secon							
144 Total MISO ASM Image: Control of the second se							
146 Total Wholesale Market Charges Image: Constraint of the second seco				N/A	N/A		
146 Total Wholesale Market Charges Image: Charges Image: Charges 147 Image: Charges Image: Charges Image: Charges 148 Purchased Power Image: Charges Image: Charges 149 Purchased Power Image: Charges Image: Charges 150 Edgeley PA Image: Charges Image: Charges 151 Edgeley PA Image: Charges Image: Charges 152 Langdon PPA Image: Charges Image: Charges 153 Ashtabula III PPA Image: Charges Image: Charges 154 Tribal (WAPA) Image: Charges Image: Charges 155 Shared Loads Image: Charges Image: Charges 156 Shared Loads Image: Charges Image: Charges 157 Small Co-gen Image: Charges Image: Charges 158 Bilateral purchases Image: Charges Image: Charges 159 Market Purchases Image: Charges Image: Charges 161 Total Purchases \$ 40.77 Tribal (WAPA) excluded from Total 162 Image: Charges Image: Charges Image: Charges 163 Wind Curtailment \$ 33.02 \$ 33.24 164 Image: Charges I	144		Total MISO ASM				
147 Image: state of the sta	145						
147 Image: state of the sta	146		Total Wholesale Market Charges				
148 Image: Constraint of the second			Total Microbalo Manor onargeo				
149 Purchased Power Image: Product of the second s							
150 PROTECTED DATA BEGINS Image: Constraint of the second sec		Dunchase	d D				
151 Edgeley PPA Edgeley PPA 152 Langdon PPA 153 Ashtabula III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Cogen 158 Bilateral purchases 159 Market Purchases 160 Image: State S		Furchase	d Fower		DECUIO		
152 Langdon PPA 153 Ashtabula IIP PA 154 Ashtabula IIP PA 155 WAPA Energy Imbalance 156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 159 Market Purchases 151				[PROTECTED DAT	A BEGINS		
153 Astribula III PPA 154 Tribal (WAPA) 155 WAPA Energy Imbalance 156 Shared Loads 157 Smail C-gen 158 Bilateral purchases 159 Market Purchases 160 Market Purchases 161 Total WAPA 162 Stateral purchases 163 MidCurtaliment 164 Total Purchases 165 Saxed 166 Fuel Costs 167 Asset Based Margins 168 Fuel Costs 169 N/A 160 N/A 161 Total Purchases 162 States 163 Wind Curtaliment 164 Fuel Cost MWh and Margin MWH are not separated - Need to compare total 165 Asset Based Margins 166 Fuel Costs 167 Asset Based Margins 168 N/A 169 Stams Plant Reagents 160 N/A 170 N/A 171 Steam Plant Re				_	-		
154 Tibal (WAPA) Not Applicable to EAR - Excluded from Total 155 WAPA Energy Imbalance 156 Shared Loads 157 Smail Co-gen 158 Bilateral purchases 159 Market Purchases 159 Market Purchases 160 PROTECTED DAT ENOS] 161 PROTECTED DAT ENOS] 162 163 Stateral purchases 33.02 164 PROTECTED DAT ENOS] 165 Asset Based Sales \$ 43.80 166 Fuel Costs N/A 167 Asset Based Margins N/A 168 Fuel Costs N/A 169 Steam Hart Reagents N/A 169 Steam Water Sales N/A 169 Steam Water Sales N/A 170 Imagent Sales N/A 171 Steam Water Sales N/A 172 Imagent Sales N/A 173 Planing Resource Auction Revenues N/A				_			
155 WAPA Energy Imbalance Importance 156 Shared Loads Importance Importance 157 Small Co-gen Importance Importance 158 Bilateral purchases Importance Importance 159 Market Purchases Import Penergy Only Import Penergy Only 160 Import Penergy Only Import Penergy Only Import Penergy Only 161 Import Penergy Only Import Penergy Only Import Penergy Only 162 Import Penergy Only Import Penergy Only Import Penergy Only 163 Mind Curtailment \$ 33.02 \$ 33.24 Import Penergy Only 164 Import Penergy Only Import Penergy Only Import Penergy Only Import Penergy Only 164 Import Penergy Only Import Penergy Only Import Penergy Only Import Penergy Only 165 Asset Based Sales \$ 43.00 \$ 66.95 Import Penergy Only Import Penergy Only 166 Fuel Costs Import Penergy Only Import Penergy Only Import Penergy Only Import Penergy Only	153		Ashtabula III PPA				
155 WAPA Energy Imbalance Importance 156 Shared Loads Importance Importance 157 Small Co-gen Importance Importance 158 Bilateral purchases Importance Importance 159 Market Purchases Import Penergy Only Import Penergy Only 160 Import Penergy Only Import Penergy Only Import Penergy Only 161 Import Penergy Only Import Penergy Only Import Penergy Only 162 Import Penergy Only Import Penergy Only Import Penergy Only 163 Mind Curtailment \$ 33.02 \$ 33.24 Import Penergy Only 164 Import Penergy Only Import Penergy Only Import Penergy Only Import Penergy Only 164 Import Penergy Only Import Penergy Only Import Penergy Only Import Penergy Only 165 Asset Based Sales \$ 43.00 \$ 66.95 Import Penergy Only Import Penergy Only 166 Fuel Costs Import Penergy Only Import Penergy Only Import Penergy Only Import Penergy Only	154		Tribal (WAPA)				Not Applicable to EAR - Excluded from Total
156 Shared Loads 157 Small Co-gen 158 Bilateral purchases 159 Market Purchases 160				-	-		
157 Small Co-gen Image: Co-gen character in the second se				-	-		
International system International system 158 Bilateral purchases 159 Market Purchases 160 Image: System Sys				-	-	t	
159 Maket Purchases IMSO and SPP Energy Only 160				-	-		
Intersection Intersection Intersection 161 Total Purchases \$ 25.6 \$ 40.77 Tribal (WAPA) excluded from Total 162 164 164 165 164 165 164 165 \$ 33.02 \$ 33.24 165 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 166 167 Asset Based Margins N/A N/A Based Sales 168 168 168 168 168 168 168 169 168 168 168 168 168 168 168 168 168 168 168 168 168 169 168 168 168 168 168 168 169 168 168 168 168 168 168 169 168 168 168 168 168 168 169 168 <td></td> <td></td> <td></td> <td>L</td> <td>-</td> <td>l</td> <td></td>				L	-	l	
Instruction Total Purchases \$ 25.36 \$ 40.77 Tribal (WAPA) excluded from Total 162			Market Purchases			L	MISO and SPP Energy Only
162 Image: constraint of the second						TA ENDS]	
163 Wind Curtailment \$ 33.02 \$ 33.24 164 164 33.02 33.02 33.02 164 164 164 164 165 Asset Based Sales \$ 43.80 \$ 66.95 166 Fuel Cost Margin MWH are not separated - Need to compare total Based Sales Based Sales 166 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Based Sales 167 Asset Based Margins N/A 168 N/A N/A Based Sales 169 Steam Plant Reagents N/A N/A 170 N/A Effective July 2022 - Docket No. E017/GR-20-719 171 N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 172 N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 172 N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 172 N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues N/A N/A 174 N/A N/A Effective July 2022 - Docket No. E017/GR-20-719			Total Purchases	\$ 25.36	\$ 40.77		Tribal (WAPA) excluded from Total
163 Wind Curtaiment \$ 33.02 \$ 33.02 \$ 33.24 164 1 3 33.02 33.02 33.02 164 1 33.02 33.02 33.02 33.02 164 1 33.02 33.02 33.02 33.02 166 Fuel Cost Bulk harding in MWH are not separated - Need to compare total Based Sales N/A N/A Based Sales 167 Asset Based Margins N/A N/A Based Sales Fuel Cost MWH and Margin MWH are not separated - Need to compare total Based Sales 168 Asset Based Margins N/A N/A Based Sales 169 Steam Plant Reagents N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 170 171 172 173 Effective July 2022 - Docket No. E017/GR-20-719 172 173 174 174 174 174	162						
164 1 1 1 165 Asset Based Sales \$ 43.80 \$ 66.95 166 Fuel Costs N/A N/A 167 Asset Based Margins N/A N/A 168 N/A N/A Based Sales 169 Steam Plant Reagents N/A N/A 170 1 1 171 Steam Water Sales N/A N/A 172 1 1 173 Planning Resource Auction Revenues N/A N/A		Wind Cur	tailment	\$ 33.02	\$ 33.24		
165 Asset Based Sales \$ 43.80 \$ 66.95 166 Fuel Cost N/A N/A 166 Fuel Cost N/A Based Sales 167 Asset Based Margins N/A N/A 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Based Sales 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Based Sales 168 N/A N/A 168 N/A Based Sales 169 N/A V/A 169 N/A Effective July 2022 - Docket No. E017/GR-20-719 170 N/A N/A 171 Steam/Water Sales N/A 172 N/A Effective July 2022 - Docket No. E017/GR-20-719 172 N/A N/A 173 Planning Resource Auction Revenues 174 N/A N/A						i	
Fuel Costs NVA Fuel Costs NVA Based Sales 167 Asset Based Margins NVA NVA Based Sales 168 Fuel Cost MWh and Margin MWH are not separated - Need to compare total Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Based Sales 168 NVA NVA Based Sales 168 NVA Based Sales 168 NVA Based Sales 169 Steam Plant Reagents NVA 170 NVA Effective July 2022 - Docket No. E017/GR-20-719 171 SteamWater Sales NVA NVA 172 NVA Effective July 2022 - Docket No. E017/GR-20-719 172 NVA Effective July 2022 - Docket No. E017/GR-20-719 172 NVA NVA Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues NVA NVA 174 NVA Effective July 2022 - Docket No. E017/GR-20-719						1	
166 Fuel Costs NA NA Based Sales 167 Asset Based Margins NA NA Based Sales 168 NA NA Based Sales 168 NA NA Based Sales 169 Steam Plant Reagents NA NA Effective July 2022 - Docket No. E017/GR-20-719 170 Image: Steam/Water Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 172 Image: Steam/Water Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 172 Image: Steam/Water Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 172 Image: Steam/Water Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 174 Image: Steam/Water Sales Image: Steam/Water Sales Image: Steam/Water Sales Image: Steam/Water Sales		Accet Pe	sed Sales	\$ 42.00	¢ 66.0F		
Fuel Cost MWh and Margin MWH are not separated - Need to compare total 167 Asset Based Margins N/A Based Sales 168 N/A N/A Based Sales 169 Steam Plant Reagents N/A N/A 170 Effective July 2022 - Docket No. E017/GR-20-719 1 171 Steam/Water Sales N/A N/A 172 N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 172 N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues N/A N/A 174 Effective July 2022 - Docket No. E017/GR-20-719 1		Asset Ba	sed Sales	\$ 43.80	\$ 66.95		Fuel Cost MM/h and Marsin MM/H are not concreted. Need to according to the
167 Asset Based Margins N/A N/A Based Sales 168	165						Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
168 NA NA Effective July 2022 - Docket No. E017/GR-20-719 170 NA NA Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales NA NA Effective July 2022 - Docket No. E017/GR-20-719 172 NA NA Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 174	165						Based Sales
168 NA NA Effective July 2022 - Docket No. E017/GR-20-719 170 NA Kffective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales NA NA Effective July 2022 - Docket No. E017/GR-20-719 171 Steam/Water Sales NA NA Effective July 2022 - Docket No. E017/GR-20-719 172 NIA NA Effective July 2022 - Docket No. E017/GR-20-719 173 Planning Resource Auction Revenues N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 174	165 166		Fuel Costs	N/A	N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
169 Steam Plant Reagents N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 170 Image: Constraint of the second	165 166		Fuel Costs	N/A	N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
170 Image: Constraint of the second sec	165 166 167		Fuel Costs	N/A	N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset
171 Steam/Water Sales N/A N/A Effective July 2022 - Docket No. E017/GR-20-719 172	165 166 167 168		Fuel Costs Asset Based Margins	N/A N/A	N/A N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
172 Image: Constraint of the state of the s	165 166 167 168 169		Fuel Costs Asset Based Margins	N/A N/A	N/A N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales
173 Planning Resource Auction Revenues N/A N/A Effective June 2022 174	165 166 167 168 169 170	Steam Pl	Fuel Costs Asset Based Margins ant Reagents	N/A N/A N/A	N/A N/A N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
174	165 166 167 168 169 170 171	Steam Pl	Fuel Costs Asset Based Margins ant Reagents	N/A N/A N/A	N/A N/A N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719
	165 166 167 168 169 170 171 172	Steam Pl Steam/W	Fuel Costs Asset Based Margins ant Reagents ater Sales	N/A N/A N/A N/A	N/A N/A N/A N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
475 Tatal Question Direct Level 6 40.47 6 04.05 Table 1.04(ADA) such as 1.0 -	165 166 167 168 169 170 171 172 173	Steam Pl Steam/W	Fuel Costs Asset Based Margins ant Reagents ater Sales	N/A N/A N/A N/A	N/A N/A N/A N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
175 Total System - Plant Level \$ 19.47 \$ 24.85 Tribal (WAPA) excluded from Total; Asset Based Sales subtracted from Total	165 166 167 168 169 170 171 172 173 174	Steam Pl Steam/Wa Planning	Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues	N/A N/A N/A N/A	N/A N/A N/A N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719
	165 166 167 168 169 170 171 172 173 174	Steam Pl Steam/Wa Planning	Fuel Costs Asset Based Margins ant Reagents ater Sales Resource Auction Revenues	N/A N/A N/A N/A	N/A N/A N/A N/A		Based Sales Fuel Cost MWh and Margin MWH are not separated - Need to compare total Asset Based Sales Effective July 2022 - Docket No. E017/GR-20-719 Effective July 2022 - Docket No. E017/GR-20-719

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



> Page 1 of 4 Eighteenth Revision

> > C

ENERGY ADJUSTMENT RIDER

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

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

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



> Page 2 of 4 Nineteenth Revision

- 6. The forecasted identifiable fuel costs associated with energy purchased for reasons other than in 2 and 3 above.
- 7. Less the forecasted fuel-related costs recovered through intersystem sales.
- 8. Less a credit for forecasted asset-based margins: forecasted revenues minus costs from asset-based wholesale energy and MISO ancillary services market ("ASM") transactions (excluding ancillary services net revenues derived through OTP's FERC-approved Control Area Services Operations Tariff) shall be credited to the cost of energy. The forecasted revenues for this calculation are those received from forecasted sales of excess generation; the forecasted costs are the fuel costs (as defined in FERC Account 501) and energy costs (including MISO costs that are booked to FERC Account 555) and any forecasted transmission costs incurred that are required to make such sales.
- 9. The forecasted costs of reagents for the Company to operate its generating plants in compliance with Federal Environmental Protection Agency rules and regulations.
- 10. The forecasted costs of fuel and reagents resulting from steam and water sales.
- 11. The proceeds from the forecasted revenues from steam and water sales shall be credited to (flow through) the energy adjustment rider.
- 12. Less a credit to provide Minnesota customers the full amount of avoided purchased power N costs associated with 100 percent of the Hoot Lake Solar plant output. N
- 13. Known MISO Planning Resource Auction capacity costs will be added to the energy
adjustment rider or revenues will be credited (flow through) the energy adjustment rider.NN



> Page 3 of 4 Fourth Revision

CLASS ENERGY ADJUSTMENT FACTOR (EAF): A separate EAF will be determined for each customer service category defined by customer class. The EAF for each service category is the sum of the Current Period forecasted Cost of Energy multiplied by the applicable EAF Ratio, and the applicable annual true-up.

Service Category	Section	EAF Ratio
Residential	9.01, 9.02	1.0555
Farm	9.03	1.0281
General Service	10.01, 10.02, 10.03,	1.0461
	10.07	
Large General Service non TOD	10.04, 10.06, 14.03	1.0207
Large General Service TOD – Winter On-Peak	10.05, 10.06, 11.01	1.2673
Large General Service TOD – Winter Shoulder	10.05, 10.06, 11.01	1.1106
Large General Service TOD – Winter Off-Peak	10.05, 10.06, 11.01	0.8499
Large General Service TOD – Summer On-Peak	10.05, 10.06, 11.01	1.2664
Large General Service TOD – Summer Shoulder	10.05, 10.06, 11.01	0.9956
Large General Service TOD – Summer Off-Peak	10.05, 10.06, 11.01	0.6896
Irrigation Service	11.02	0.9250
Outdoor Lighting	11.03, 11.04, 11.07	0.8645
OPA	11.05	1.0210
Controlled Service Deferred Load	14.01, 14.06	0.9513
Controlled Service Interruptible	14.04,	0.9883
Controlled Service Off-Peak	14.07, 14.12	0.9164

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

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



> Page 4 of 4 Second Revision

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

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

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

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

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

		Based on Period Ending	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
Line No.		RGY TYPE:												
1	GENERATION	COAL	\$3,560,223	\$3,489,375	\$3,833,562	\$1,262,872	\$2,384,882	\$5,415,575	\$5,417,558	\$4,787,053	\$4,522,360	\$2.475.196	\$1,805,768	\$2,139,527
2	OLINEIXATION	BIOMASS	\$0,500,225	\$0,409,575 \$0	\$0,000,002 \$0	\$0	\$0 \$0	\$0,413,575 \$0	\$0,417,550 \$0	\$0	\$0	\$0	\$1,003,700 \$0	\$0
3		HYDRO	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0	\$0	\$0	\$0 \$0	\$0
4		GAS	\$1,472,942	\$526,884	\$88,009	\$224,868	\$717,594	\$1,690,959	\$2,181,637	\$2,095,805	\$634,439	\$507,223	\$898,680	\$570,991
5		WIND	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6		FUEL OIL	\$19,547	\$2,008	\$2,798	\$1,747	\$24,282	\$51,823	\$26,216	(\$49,416)	\$8,370	\$7,115	\$9,331	(\$641)
7		UNKNOWN	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	PURCHASES	COAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	NET	BIOMASS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10		HYDRO	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11		GAS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12		WIND	\$1,241,229	\$1,241,685	\$1,264,348	\$1,372,635	\$1,144,002	\$722,529	\$787,304	\$541,677	\$687,668	\$1,168,572	\$1,379,748	\$1,418,067
13		SOLAR	\$1,321	\$1,596	\$2,813	\$5,579	\$6,302	\$7,434	\$9,023	\$7,288	\$6,960	\$5,789	\$4,635	\$46
14		FUEL OIL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15		UNKNOWN	\$4,741,008	\$5,419,621	\$5,572,840	\$5,133,778	\$6,938,952	\$7,606,158	\$3,883,826	\$5,464,817	\$5,928,647	\$6,926,133	\$7,911,052	\$18,333,002
16		1-MONTH TOTAL	\$11,036,271	\$10,681,168	\$10,764,370	\$8,001,479	\$11,216,014	\$15,494,479	\$12,305,564	\$12,847,223	\$11,788,444	\$11,090,028	\$12,009,214	\$22,460,992
17	RETAIL kWh SALES	1-MONTH TOTAL	482,448,774	461,377,536	446,527,559	409,647,973	351,240,674	363,865,633	368,366,138	387,057,252	349,232,882	319,965,945	382,935,886	449,364,382
18	ACTUAL COST (cents	/kWh)	2.28755	2.31506	2.41068	1.95326	3.19326	4.25830	3.34058	3.31920	3.37553	3.46600	3.13609	4.99839
	ONE-MONTH COST D BY ENERGY TYPE													
19	GENERATION	COAL	0.73795	0.75629	0.85853	0.30828	0.67899	1.48834	1.47070	1.23678	1.29494	0.77358	0.47156	0.47612
20		BIOMASS	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
21		HYDRO	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22		GAS	0.30531	0.11420	0.01971	0.05489	0.20430	0.46472	0.59225	0.54147	0.18167	0.15852	0.23468	0.12707
23		WIND	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
24		FUEL OIL	0.00405	0.00044	0.00063	0.00043	0.00691	0.01424	0.00712	-0.01277	0.00240	0.00222	0.00244	-0.00014
25		UNKNOWN	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
26	PURCHASES	COAL	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
27		BIOMASS	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
28		HYDRO	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
29		GAS	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
30		WIND	0.25728	0.26913	0.28315	0.33508	0.32570	0.19857	0.21373	0.13995	0.19691	0.36522	0.36031	0.31557
31		SOLAR	0.00027	0.00035	0.00063	0.00136	0.00179	0.00204	0.00245	0.00188	0.00199	0.00181	0.00121	0.00001
32		FUEL OIL	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
33		UNKNOWN	0.98270	1.17466	1.24804	1.25322	1.97555	2.09038	1.05434	1.41189	1.69762	2.16465	2.06589	4.07976
34	ACTUAL COST (cents	/kWh)	2.28755	2.31506	2.41068	1.95326	3.19326	4.25830	3.34058	3.31920	3.37553	3.46600	3.13609	4.99839

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

MONTHLY COST COMPONENTS BY FUEL TYPE

	January	February	March	April	May	June	July	August	September	October	November	December
Cost of delivered coal by plant (1) 2007 Big Stone cost per Mbtu 2008 Big Stone cost per Mbtu 2019 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 2018 Big Stone cost per Mbtu 2019 Big Stone cost per Mbtu 2020 Big Stone cost per Mbtu 2020 Big Stone cost per Mbtu 2021 Big Stone cost per Mbtu 2022 Big Stone cost per Mbtu 2022 Big Stone cost per Mbtu	[PROTECT	ED DATA BE	GINS									
2007 Coyote cost per Mbtu 2008 Coyote cost per Mbtu 2010 Coyote cost per Mbtu 2011 Coyote cost per Mbtu 2012 Coyote cost per Mbtu 2013 Coyote cost per Mbtu 2013 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 2019 Coyote cost per Mbtu 2020 Coyote cost per Mbtu 2021 Coyote cost per Mbtu 2021 Coyote cost per Mbtu 2021 Coyote cost per Mbtu 2021 Coyote cost per Mbtu 2022 Coyote cost per Mbtu										P RO	TECTED DA	ATA ENDS]
(1) Effective July 2008 fuel oil burned for generation	is included											-

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

MONTHLY COST COMPONENTS BY FUEL TYPE

	January	February	March	April	Мау	June	July	August	September	October	November	December	
Cost of delivered natural gas 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 2017 Solway Plant cost per Mbtu 2016 Solway Plant cost per Mbtu 2018 Solway Plant cost per Mbtu 2019 Solway Plant cost per Mbtu 2019 Solway Plant cost per Mbtu 2019 Solway Plant cost per Mbtu 2020 Solway Plant cost per Mbtu 2021 Solway Plant cost per Mbtu 2022 Solway Plant cost per Mbtu 2022 Solway Plant cost per Mbtu		February		April	May	June	July	August	September	October	November	December	
2021 Astoria Plant cost per Mbtu 2022 Astoria Plant cost per Mbtu													
Cost of delivered nuclear fuel - not applicable	e									PROTE	ECTED DAT	A ENDS]	
Cost of delivered oil													
2007 IC Plants and FF Control Ctr diesel, \$/Mbti 2008 IC Plants and FF Control Ctr diesel, \$/Mbti		15.07 16.71	15.07 16.79	15.21 16.71	15.43 0	15.50 15.14	15.86 18.07	15.43 16.50	16.07 12.64	16.00 17.50		16.07 17.00	
2009 IC Plants and FF Control Ctr diesel, \$/Mbt		0.00	0.00	12.64	15.36	0.00	0.00	16.50	12.04	16.07		15.79	
2010 IC Plants and FF Control Ctr diesel, \$/Mbt		12.64	15.86	16.21	16.00	16.00	0.00	16.14	16.29	16.29		17.21	
2011 IC Plants and FF Control Ctr diesel, \$/Mbt		17.29	16.93	0.00	17.00	16.29	13.57	21.21	20.21	17.43		17.29	
2012 IC Plants and FF Control Ctr diesel, \$/Mbtr	ι 17.29	17.29	20.57	20.57	20.57	19.86	19.93	20.93	14.29	22.07	17.93	22.21	
2013 IC Plants and FF Control Ctr diesel, \$/Mbt		0.00	19.36	17.86	0.00	17.79	0.00	21.36	17.86	17.79		22.07	
2014 IC Plants and FF Control Ctr diesel, \$/Mbtr		22.14	20.07	19.07	22.14	19.93	21.00	0.00	22.29	19.93		19.93	
2015 IC Plants and FF Control Ctr diesel, \$/Mbtr		21.64	22.14	14.29	20.50	21.14	21.64	15.93	0.00	16.07		20.95	
2016 IC Plants and FF Control Ctr diesel, \$/Mbt		20.62	21.32	18.20	22.14	16.36	22.13	21.15	22.22	20.18		16.15	
2017 IC Plants and FF Control Ctr diesel, \$/Mbti 2018 IC Plants and FF Control Ctr diesel, \$/Mbti		20.37 16.15	19.32 18.70	16.87 22.11	20.19 18.42	16.72 16.57	20.13 20.86	20.17 19.42	21.67 17.50	21.90 20.05		22.11 16.61	
2019 IC Plants and FF Control Ctr diesel, \$/Mbt		10.15	17.13	17.82	16.42	0.00	20.86	0.00		20.05	20.05	16.72	
2020 IC Plants and FF Control Ctr diesel, \$/Mbt		17.05	14.38	15.67	15.69	14.92	15.23	14.65	14.28	14.65		14.28	
2021 IC Plants and FF Control Ctr diesel, \$/Mbt		14.86	14.78	14.90	0.00	14.87	14.83	0.00		15.92		0.00	
2022 IC Plants and FF Control Ctr diesel, \$/Mbt		16.03	15.72	15.70	15.97	17.16	18.18	22.72		18.52		21.36	
Cost of wholesale purchases (\$/MWh) withou													
2007 Purchased Power	38.64	82.81	55.89	64.08	56.05	59.22	46.31	41.13	47.17	44.61	53.65	63.58	
2008 Purchased Power 2009 Purchased Power	61.28	74.56 59.86	69.65	68.19 26.22	39.65 34.01	49.85	57.12 32.04	52.07 38.92	42.47 37.51	45.91	49.02	52.47	
2009 Purchased Power 2010 Purchased Power	59.90 58.11	59.86 57.90	32.18 49.57	26.22 49.04	34.01 37.80	32.41 33.02	32.04 37.69	38.92 41.60	40.25	44.60 39.47		41.36 33.43	
2010 Purchased Power	35.68	35.89	31.89	49.04 32.53	38.17	33.02 84.70	12.52	41.00	35.39	39.47	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		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		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		21.44	
2016 Purchased Power	27.88	25.03	23.90	23.15	22.89	24.35	34.24	36.67	29.49	24.10		27.93	
2017 Purchased Power	29.77	25.82	27.00	28.86	28.80	28.26	28.93	26.62		25.17		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		34.45	
2019 Purchased Power	29.84	36.30	34.16	28.04	24.78	22.66	24.02	22.08		22.86		24.12	
2020 Purchased Power 2021 Purchased Power	23.99 24.25	26.18 41.25	24.00 21.37	21.89 15.23	18.96 16.15	14.65 19.39	19.85 32.82	20.78 31.97	18.99 17.51	19.48 32.50		26.77	
2021 Purchased Power 2022 Purchased Power	24.25 25.76	41.25 27.94	21.37 28.19	15.23 26.27	28.88	19.39 36.23	32.82 36.56	48.30	17.51 52.06	32.50 28.94		24.88 45.94	
ZUZZ FUICIIASEU POWEI	25.76	27.94	26.19	20.27	20.08	30.23	30.36	48.30	52.06	28.94	29.94	40.94	

(2) Is not retail

MISO Module E Data For Otter Tail Power Company As of Janaury 24, 2023

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

No.	Aggregate Resources	Designation	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
1	Big Stone Plant	OTP.BIGSTON1	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5	253.5
2	Coyote Station	OTP.COYOT1	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2	131.2
3	FPL Energy ND Wind II	OTP.EDGLYEDGL	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
6	Jamestown 1	OTP.JAMSPK1	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9	19.9
7	Jamestown 2	OTP.JAMSPK2	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
8	Lake Preston	OTP.HETLA1	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
9	Solway	OTP.SOLWAYO1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2

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

No.	Local Resource	Designation	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
1	Ashtabula	OTP.ASHTABULA	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
2	AshtabulaIII	OTP.ASHTAIII	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
3	Langdon	OTP.LANGDN1	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
4	Langdon	OTP.LANGDN2	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
5	Luverne	OTP.MPWR	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
6	Astoria Station	OTP.ASTORIA	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6
7	Merricourt	OTP.MERRICOURT	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4

BEHIND-THE-METER RESOURCES AS DEFINED BY MISO - Values reflect the Unforced Capacity rating (UCAP)

No.	BTM Resource	Designation	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
1	Dayton Hollow Hydro #1	OTP.OTP	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
2	Dayton Hollow Hydro #2	OTP.OTP	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
3	Hoot Lake Hydro	OTP.OTP	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
			[PROTECT	TED DATA	BEGINS .									
4	Kindred School Diesel	OTP.OTP												
5	State Auto Insurance	OTP.OTP												
6	Stevens Community	OTP.OTP												
												PROT	ECTED DA	TA ENDS]
7	Pisgah Hydro	OTP.OTP	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
8	Taplin Gorge Hydro	OTP.OTP	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

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

No. External Resources	Designation	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
1	Garrison Hydro Plant	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2	Garrison Hydro Plant 2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4

PRC TRANSACTIONS AS DEFINED BY MISO - Values reflect the Planning Resource Credit rating (PRC)

No. PRC Transaction 1 None	Designation	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23
Total		797.6	797.6	797.6	797.6	797.6	797.6	797.6	797.6	797.6	797.6	797.6	797.6

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

	Charge Type Description		System - Retail January - December 2022		nnesota - Retail January - lecember 2022
No.	Day Ahead & Real Time Asset & Non Asset Energy & Loss	1			
1	DA Asset Energy Amount	\$	95,811,833.48	\$	43,920,623.53
2	DA FBT Loss Amount	\$	-	\$	-
3	DA Non-asset Energy Amount	\$	(2,694,757.63)	\$	(1,235,290.37)
4	RT Asset Energy Amount	\$	(4,436,627.92)	\$	(2,033,772.42)
5	RT Distribution of Losses Amount	\$	(5,293,961.81)	\$	(2,426,778.56)
6	RT FBT Loss Amount	\$	-	\$	-
7 8	DA Loss Amount RT Loss Amount	\$ \$	13,335,953.67	\$	6,113,267.84
9	RT Non-Asset Energy Amount	э \$	607,648.67 6,086.54	\$ \$	278,549.19 2,790.10
-	DA Losses Rebate on Option B GFA	\$	-	\$	2,750.10
		Ŷ		Ŷ	
	Virtual Energy				
11	DA Virtual Energy Amount	\$	-	\$	-
12	RT Virtual Energy Amount	\$	-	\$	-
	Cabadulas 16 9 17				
13	Schedules 16 & 17 DA Mkt Admin Amount	\$	735,641.40	\$	337,221.70
14	RT Mkt Admin Amount	\$	101,682.94	\$	46,611.97
15	FTR Mkt Admin Amount	\$	25,820.88	\$	11,836.42
L		-	-,	•	,
	Congest & FTRs				
16	DA FBT Congestion Amount	\$	-	\$	-
17	DA Congestion	\$	33,348,742.13	\$	15,287,230.14
	RT FBT Congestion Amount	\$	-	\$	-
		\$	2,760,582.48	\$	1,265,464.81
20 21	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	\$ \$	(58,450,965.43) (1,304,356.53)	\$ \$	(26,794,214.81) (597,923.56)
	FTR Yearly Allocation Amount	э \$	(1,304,350.53) (531,221.25)	\$	(243,514.48)
	FTR Monthly Transaction Amount	\$	(001,221:20)	\$	(240,014.40)
	FTR Full Funding Guarantee Amount	\$	673,178.00	\$	308,588.16
	FTR Guarantee Uplift Amount	\$	(716,186.14)	\$	(328,303.31)
	FTR Auction Revenue Rights Transaction Amount	\$	(57,544,226.59)	\$	(26,378,561.19)
	FTR Annual Transaction Amount	\$	57,509,852.20	\$	26,362,803.80
	FTR Auction Revenue Rights Infeasible Uplift Amount	\$	174,183.65	\$	79,846.66
29	FTR Auction Revenue Rights Stage 2 Distribution Amount	\$	(988,659.05)	\$	(453,206.25)
30	DA Congestion Rebate on Option B GFA	\$	-	\$	-
	RSG & Make Whole Payments	1			
31	DA Revenue Sufficiency Guarantee Distribution Amount	\$	221,983.53	\$	101,758.36
32		\$	(118,792.83)	\$	(54,455.23)
33	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	t \$	571,397.16	\$	261,931.32
	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	\$	-	\$	-
35	RT Price Volatility Make Whole Payment	\$	(735,455.38)	\$	(337,136.42)
	Devenue Mextuality Linkt	1			
36	Revenue Neutrality Uplift RT Revenue Neutrality Uplift Amount	۱ \$	006 206 71	\$	456,711.98
30		φ	996,306.71	Φ	430,711.90
	Other Charges	1			
37	RT Misc Amount	\$	123,204.34	\$	56,477.49
38	RT Net Inadvertent Amount	\$	70,181.91	\$	32,171.74
	RT Uninstructed Deviation Amount	\$	-	\$	-
	RT Demand Response Allocation Uplift Amount	\$	271,965.84	\$	124,670.50
41	DA Ramp Product	\$	(42,843.34)	\$	(19,639.60)
	RT Ramp Product	\$	(18,195.89)	\$	(8,341.09)
43	RT Schedule 49 Cost Distribution Amount	\$	185,989.51	\$	85,258.52
	ASM Charges	1			
44	RT ASM Non-Excessive Energy Amount	\$	13,942,154.76	\$	6,391,153.45
45	RT ASM Excessive Energy Amount	\$	28,018.42	\$	12,843.78
			,		, -
	Grandfathered Charge Types				
46	DA Congestion Rebate on COGA	\$	-	\$	-
47	DA Losses Rebate on COGA	\$	-	\$	-
48	RT Congestion Rebate on COGA	\$ ¢	-	\$ ¢	-
49	RT Loss Rebate on COGA	\$	-	\$	-
50	TOTAL CHARGES	\$	88,626,158.43	\$	40,626,674.16
50		Ψ	50,020,100.40	Ψ	10,020,074.10
51	Less Schedule 16 & 17 (Lines 13, 14, 15)	\$	(863,145.22)		
52	Congestion and Losses Adjustment	\$	563,234.57		
53	No DA generation sch., but still had output	\$	(100,535.43)		
1		ć			
54	Total 2022 MISO Charges	\$	88,225,712.36		

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

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

						l Power Company Day 2 Charges - Syst Icludes any adjustme								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	RET	AIL	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	NON ASSET BA	ASED WHOLESALE	Revenue
Dav	Ahead & Real Time Energy	ACCT	IVIVI	Cost	WIWN	Revenue	IVIVV N	Cost	WWWN	Revenue	IVIVIN	Cost	IVIVIN	Revenue
,	DA Asset Energy Amount	555.02	(530,028) \$	(30,248,710.72)	327,810 \$	19,298,391.19	0 \$	-	3,776 \$	226,304.05	0 \$	-	0 \$	
	DA Non-asset Energy Amount	555.09	0 \$	-	4,624 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
	RT Asset Energy Amount	555.19	(16,373) \$	(557,751.21)	55,654 \$	3,002,557.53	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Non-Asset Energy Amount	555.26	(3) \$	(100.37)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	SUBTOTAL		(546,404) \$	(30,806,562.30)	388,088 \$	22,450,266.70	0\$	-	3,776 \$	226,304.05	0 \$	-	0 \$	-
	Ahead & Real Time Energy Loss										<u> </u>			
	DA FBT Loss Amount	555.04	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Distribution of Losses Amount RT FBT Loss Amount	555.24 555.21	0 \$ 0 \$	(13,160.05)	0 \$ 0 \$		0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
	DA Loss Amount	555.21	0\$	(1,094,477.32)	0\$		0 \$		0\$		0\$	_	0\$	
)	RT Loss Amount		0\$		0\$		0\$	-	0\$	-	0\$	-	0 \$	-
	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0\$	-
2	SUBTOTAL		0\$	(1,162,268.24)	0 \$	433,662.76	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	ual Energy													
3	DA Virtual Energy Amount	555.12	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
ł	RT Virtual Energy Amount	555.32	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
Cab	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
Sch	DA Mkt Admin Amount	555.01	0 \$	(67,979.12)	0 \$		0 \$	(302.07)	0 \$		0 \$		0 \$	
7	RT Mkt Admin Amount	555.18	0 \$	(9,818.80)	0 \$		0 \$	(302.07) (1,708.81)	0 \$	21.03	0 \$	-	0 \$	-
3	FTR Mkt Admin Amount	555.13	0\$	(2,281,52)	0 \$	-	0 \$	-	0 \$	-	0\$	-	0\$	
)	SUBTOTAL	000.10	0 \$	(80,079.44)	0 \$		0 \$	(2,010.88)	0 \$	21.03		-	0 \$	-
Cor	ngestion & FTRs										1			
)	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	DA Congestion		0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
2	RT FBT Congestion Amount	555.20	0 \$	-	0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
3	RT Congestion		0 \$	(171,789.08)	0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
Ļ	FTR Hourly Allocation Amount	555.14	0 \$	(484,100.48)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
5	FTR Monthly Allocation Amount	555.15	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	-
6 7	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	555.17 555.35	0 \$ 0 \$	-	0 \$ 0 \$		0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
3	FTR Full Funding Guarantee Amount	555.36	0 \$	(831,138.78)	0 \$		0 \$ 0 \$	-	0 \$	-	0\$	-	0 \$	-
, ,	FTR Guarantee Uplift Amount	555.37	0\$	(220,990.89)	0\$		0\$	_	0 \$	-	0 \$	_	0 \$	-
,)	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(79,448.56)	0 \$		0 \$	-	ŏ ŝ	-	0 \$	-	0 \$	-
	FTR Annual Transaction Amount	555.38	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
2	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(7,375.79)	0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
3	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	66,453.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-
Ļ	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
5	SUBTOTAL G & Make Whole Payments		0 \$	(3,354,443.92)	0 \$	7,578,077.54	0 \$	-	0 \$	-	0 \$	-	0 \$	-
RSU	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(16,894.12)	0 \$		0 \$	(842.38)	0 \$		0 \$		0 \$	
,	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0\$		0 \$		0 \$	(042.30)	0\$	-	0 \$	-	0\$	-
3	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(47,209.63)	0 \$		0 \$	(2.354.07)	0 \$	272.92	0 \$	-	0 \$	
	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$		0 \$	(8.33)	0 \$	63,892.22	0 \$	-	0\$	-
)	RT Price Volatility Make Whole Payment	555.42	0 \$	(8.62)	0 \$		0 \$	(0.41)	0 \$	1,854.45	0 \$	-	0 \$	-
	SUBTOTAL		0 \$	(64,112.37)	0 \$	42,658.78	0 \$	(3,205.19)	0\$	66,019.59	0 \$	-	0 \$	-
	U & Misc Charges										<u> </u>			
2	RT Misc Amount	555.25	0 \$	(2,187.22)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
3	RT Net Inadvertent Amount	555.27	0 \$	(10,908.72)	0 \$		0 \$	- /E 440 FC	0 \$	-	0 \$	-	0 \$	-
4 5	RT Revenue Neutrality Uplift Amount RT Uninstructed Deviation Amount	555.28 555.31	0 \$	(102,657.81)	0 \$ 0 \$		0 \$ 0 \$	(5,119.50)	0 \$	1,793.25	0 \$ 0 \$	-	0 \$ 0 \$	-
5	RT Demand Response Allocation Uplift Amount	555.31 555.59	0 \$	(20,340.39)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	DA Ramp Product	555.63	0 \$	(20,340.39)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
3	RT Ramp Product	555.64	0\$	(541.36)	0 \$		0 \$	-	0 \$	_	0\$	-	0\$	
9	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(8,471.18)	0 \$	-	0 \$	-	0\$	-	0 \$	-	ō \$	-
)	SUBTOTAL		0\$	(145,106.68)	0 \$	58,666.54	0 \$	(5,119.50)	0\$	1,793.25	0 \$	-	0 \$	-
	/ Charges													
	RT ASM Non-Excessive Energy Amount	555.55	(41,980) \$	(1,447,155.71)	12,138 \$		(388) \$	(12,456.44)	18,960 \$	560,162.49	0 \$	-	0 \$	-
2	RT ASM Excessive Energy Amount SUBTOTAL	555.56	(37) \$ (42,017) \$	(4,684.38)	204 \$ 12,342 \$		0 \$ (388) \$	(808.21)	63 \$ 19.023 \$	198.56 560,361.05	0 \$	-	0 \$ 0 \$	-
	ndfathered Charge Types		(42,017) \$	(1,431,040.09)	12,342 \$	520,039.17	(300) \$	(13,204.65)	19,023 \$	500,501.05	>	-	U Ş	-
Gra	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$		0 \$	-	0 \$	_ 1	0 \$	-	0 \$	
5	DA Losses Rebate on COGA	555.06	0\$	-	0\$		0\$	-	0\$	_	0\$	-	0\$	
5	RT Congestion Rebate on COGA	555.22	0\$	-	0\$		0\$	-	0\$	-	0\$	-	0\$	
,	RT Loss Rebate on COGA	555.23	0 \$	-	ŏ \$		0 \$	-	0\$	-	0 \$	-	0\$	-
3	SUBTOTAL		0 \$		0 \$	-	0\$	-	0\$	-	0\$	-	0 \$	-
	TAL MISO DAY 2 CHARGES		(588,421) \$	(37,064,413.04)	400,430 \$		(388) \$	(23,600.22)	22,799 \$	854,498.97	0 \$	-	0 \$	-
)	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(80,079.44) 330,025.89	\$	665.73					1			
	Congestion and Losses Adjustment		\$											

ſ					Detail of MIS	Tail Power Company SO Day 2 Charges - Syst 2 includes any adjustme									
		(A)	(B) (C	2)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	()	M)
				RET				ASSET BASE	ED WHOLESALE			NON ASSET	BASED WHOLESA	LE	
	Charge Type Description	Acct	MWh Co	st	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Rev	enue
Ē	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%		\$ (37,3	14,359.49) \$	(6,224,388.00	\$ 31,089,971.49)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED T	TRANSAC	TIONS												
68	NET MISO (Rev-Cost and MWh)								\$	830,898.75				\$	-
69	Less: Fuel Cost								22,411 \$	677,055.62					
70	Less: Misc Cost Adjustment								\$	-				\$	-
71	Plus: Capacity Revenue Plus: Bilateral Sales													\$	-
72 73	Less: Bilateral Purchases													e e	-
73	Less: Schedule 24 for Asset Based Sales								•	300.94				¢	
75	Less. Conclude 24 for Assoc Bused Sales						1		Ŷ	500.54	11			Ŷ	-
76	TOTAL ASSET or NON ASSET BASED WHOLESALE						1		\$	153,542.19	11			\$	-
											11				

				Detail of MISO D	Power Company Day 2 Charges - Systen Includes any adjustme	em ents							
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description	Acct	MWh	RETA Cost	AIL MWh	Revenue	MWh	ASSET BASED V Cost	MWh MWh	Revenue	MWh	NON ASSET E Cost	BASED WHOLESALE MWh	Revenue
Day Ahead & Real Time Energy	Acct		0031		Revenue		0031		Revenue		0031		Revenue
DA Asset Energy Amount	555.02	(525,291) \$	(23,801,841.04)	284,469 \$	12,298,388.83	0 \$	-	2,253 \$	101,165.08	0 \$	-	0 \$	
DA Non-asset Energy Amount	555.09	0 \$		4,863 \$		0 \$	-	0\$	-	0 \$	-	0 \$	
RT Asset Energy Amount	555.19	(15,473) \$		66,000 \$	2,695,724.45	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Non-Asset Energy Amount	555.26	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
SUBTOTAL		(540,764) \$	(24,668,243.01)	355,333 \$	15,144,670.73	0 \$		2,253 \$	101,165.08	0 \$	-	0 \$	
Day Ahead & Real Time Energy Loss													
DA FBT Loss Amount	555.04	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Distribution of Losses Amount RT FBT Loss Amount	555.24 555.21	0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	
DA Loss Amount	555.21	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Loss Amount		0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
DA Losses Rebate on Option B GFA	555.08	0 \$	(112,104.01)	0 \$		0 \$		0 \$		0 \$		0 \$	
SUBTOTAL	000.00	0\$	(1,010,738.82)	0 \$	444,038.83	0 \$	-	0 \$	-	0 \$	-	0 \$	
/irtual Energy			(.,,										
DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$		0 \$	-	0 \$		0 \$	
SUBTOTAL		0 \$		0 \$	-	0 \$		0\$	-	0 \$	-	0 \$	
Schedules 16 & 17													
DA Mkt Admin Amount	555.01	0 \$		0 \$		0 \$	(151.41)	0 \$	-	0 \$	-	0 \$	
RT Mkt Admin Amount	555.18	0 \$		0 \$		0 \$	(1,308.42)	0 \$	-	0 \$	-	0 \$	
FTR Mkt Admin Amount	555.13	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
SUBTOTAL Congestion & FTRs		0 \$	(60,082.47)	0\$	873.44	0 \$	(1,459.83)	0\$	-	0 \$	-	0 \$	
DA FBT Congestion Amount	555.03	0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
DA FBT Congestion Amount DA Congestion	555.03	0 \$		0\$		0 \$	-	0\$		0 \$	-	0\$	
RT FBT Congestion Amount	555.20	0\$		0 \$		0 \$	-	0 \$	_	0 \$		0\$	
RT Congestion	000.20	0\$		0\$		0\$	_	0 \$	-	0\$		0\$	
FTR Hourly Allocation Amount	555.14	0\$		0\$		0\$	_	0 \$	_	0\$	-	0\$	
FTR Monthly Allocation Amount	555.15	0 \$		0 \$		0 \$	-	ŏ ŝ	-	0\$		0 \$	
FTR Yearly Allocation Amount	555.17	0 \$		0 \$		0 \$	-	0 \$	-	0 \$		0 \$	
FTR Monthly Transaction Amount	555.35	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
FTR Full Funding Guarantee Amount	555.36	0 \$	(226,917.63)	0 \$	270,227.86	0 \$	-	0 \$	-	0 \$	-	0 \$	
FTR Guarantee Uplift Amount	555.37	0 \$	(270,227.86)	0 \$	226,917.63	0 \$	-	0 \$	-	0 \$	-	0 \$	
FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
FTR Annual Transaction Amount	555.38	0 \$		0 \$		0 \$	-	0\$	-	0\$		0 \$	
FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	66,453.08	0 \$	-	0 \$	-	0 \$	-	0 \$	
DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	
SUBTOTAL RSG & Make Whole Payments		0 \$	(2,403,302.79)	0 \$	6,369,446.80	0\$	-	0 \$	-	0\$	-	0 \$	
DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(15,059.28)	0 \$	7.78	0 \$	(622.29)	0 \$	0.32	0 \$	-	0 \$	
DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0 \$		0 \$	(022.23)	0 \$	498.91	0\$		0\$	
RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$		0\$		0\$	(1,078.20)	0\$	79.80	0\$	-	0\$	
RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$		0\$		0 \$		0 \$	111,857.66	0\$	-	0\$	
PT Price Velatility Make Whole Payment	555.42	0 \$	-	0 \$	31,181.33	0\$	<u> </u>	0 \$	1.288.81	0 \$		0 \$	
SUBTOTAL		0\$	(41,152.56)	0 \$	36,314.18	0 \$	(1,700.49)	0\$	113,725.50	0 \$	-	0 \$	
RNU & Misc Charges													
RT Misc Amount	555.25	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Net Inadvertent Amount	555.27	0 \$	(19,158.69)	0 \$		0 \$		0 \$		0 \$	-	0 \$	
RT Revenue Neutrality Uplift Amount	555.28	0 \$		0 \$		0 \$	(4,896.50)	0 \$	611.78	0 \$	-	0 \$	
RT Uninstructed Deviation Amount	555.31 555.59	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	
RT Demand Response Allocation Uplift Amount DA Ramp Product	555.59 555.63	0 \$		0 \$		0 \$ 0 \$	-	0 \$	-		-		
DA Ramp Product RT Ramp Product	555.63 555.64	0 \$		0 \$		0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	
RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(7,207.96)	0 \$	22.74	0 \$		0 \$		0 \$	-	0 \$	
SUBTOTAL	500.00	0\$		0\$		0 \$	(4,896.50)	0 \$	611.78	0 \$		0 \$	
ASM Charges													
RT ASM Non-Excessive Energy Amount	555.55	(31,958) \$		20,264 \$		(323) \$	(32,362.97)	19,924 \$	674,227.06	0 \$	-	0 \$	
RT ASM Excessive Energy Amount	555.56	0 \$	(8,912.32)	342 \$		0 \$	(130.27)	14 \$	13.88	0 \$	-	0 \$	
SUBTOTAL		(31,958) \$	(722,361.05)	20,605 \$	753,627.86	(323) \$	(32,493.24)	19,937 \$	674,240.94	0\$	-	0 \$	
Grandfathered Charge Types													
DA Congestion Rebate on COGA	555.05	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
DA Losses Rebate on COGA	555.06	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Loss Rebate on COGA SUBTOTAL	555.23	0 \$	-	0 \$		0 \$ 0 \$		0 \$		0 \$		0 \$ 0 \$	
SUBIVIAL		U 3	-	0 \$		U \$	-	υş	-	U \$	-	U Ş	
OTAL MISO DAY 2 CHARGES		(572 721) ¢	(29,087,407.87)	375 038 ¢	22,793,791.91	(323) \$	(40,550.06)	22,190 \$	889,743.30	0 \$	-	0 \$	
		(JIZ) 4				(525) \$	(40,000.00)	44,130 Ø	000,140.00	v ð	-	U \$	
Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(60.082.47)	s	873.44								

					Detail of MI	Tail Power Company SO Day 2 Charges - Syst 22 includes any adjustme									
	((A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(N	A)
				RET				ASSET BASE	D WHOLESALE			NON ASSET E	BASED WHOLESA	LE	
	Charge Type Description A	cct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Reve	enue
	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			29,146,502.30) \$	(6,353,583.83	\$ 22,792,918.47)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TR	RANSAC	TIONS												
68	NET MISO (Rev-Cost and MWh)								\$	849,193.24				\$	-
69	Less: Fuel Cost								21,867 \$	667,553.22				•	
70	Less: Misc Cost Adjustment								\$	-				\$	-
71	Plus: Capacity Revenue Plus: Bilateral Sales													e e	
73	Less: Bilateral Purchases													ŝ	
74	Less: Schedule 24 for Asset Based Sales								s	271.09				ŝ	
75									•					•	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	181,368.93				\$	-

					Detail of MISO I March 2022 inc	Power Company Day 2 Charges - Syst ludes any adjustme	em nts							
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	RET. Cost	AIL MWh	Revenue	MWh	ASSET BASED	WHOLESALE MWh	Revenue	MWh	NON ASSET BA	ASED WHOLESALE MWh	
Day A	Ahead & Real Time Energy	ACCT	IVIVIN	COST	IVIVIN	Revenue	IVIVV N	Cost	NIN N	Revenue	IVIVVII	Cost	IVIVIN	Revenue
Duj i	DA Asset Energy Amount	555.02	(528,884) \$	(17,442,918.41)	328,841 \$	9.952.844.12	0 \$		2.043 \$	58,019.03	0 \$		0 \$	·
	DA Non-asset Energy Amount	555.09	0 \$	-	4,868 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Asset Energy Amount	555.19	(22,640) \$		28,599 \$	1,090,708.77	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Non-Asset Energy Amount	555.26	(19) \$	(497.03)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
	SUBTOTAL		(551,543) \$	(17,940,623.75)	362,308 \$	11,202,996.58	0 \$	-	2,043 \$	58,019.03	0 \$	-	0 \$	
Day A	Ahead & Real Time Energy Loss													
	DA FBT Loss Amount RT Distribution of Losses Amount	555.04 555.24	0 \$		0 \$ 0 \$		0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
	RT FBT Loss Amount	555.21	0 \$		0 \$		0 \$		0\$	-	0 \$	-	0 \$	
	DA Loss Amount	333.21	0 \$	(942,775.27)	0\$		0 \$		0 \$		0\$		0 \$	
	RT Loss Amount		0 \$		0 \$		0\$	-	0 \$	-	0\$	-	0 \$	-
	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	SUBTOTAL		0\$	(1,112,189.19)	0 \$	414,686.33	0\$		0\$	-	0\$	-	0\$	-
	al Energy													
	DA Virtual Energy Amount	555.12	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Virtual Energy Amount SUBTOTAL	555.32	0 \$	-	0 \$		0 \$		0 \$	-	0 \$	-	0 \$ 0 \$	
	dules 16 & 17		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	•	0 \$	
oonet	DA Mkt Admin Amount	555.01	0 \$	(69,855.48)	0 \$		0 \$	(188.16)	0 \$	-	0 \$	-	0 \$	
1	RT Mkt Admin Amount	555.18	0\$	(9,138.25)	0\$		0\$	(1,633.87)	0 \$	0.03	0\$	-	0\$	
	FTR Mkt Admin Amount	555.13	0 \$	(1,766.64)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	SUBTOTAL		0\$	(80,760.37)	0 \$	1,140.91	0\$	(1,822.03)	0\$	0.03	0\$	-	0\$	-
	jestion & FTRs													
	DA FBT Congestion Amount	555.03	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	DA Congestion	555.00	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT FBT Congestion Amount	555.20	0 \$	(000,005,55)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Congestion FTR Hourly Allocation Amount	555.14	0 \$ 0 \$	(362,095.55) (110,785.93)	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$		0 \$ 0 \$	-
	FTR Monthly Allocation Amount	555.14	0\$	(110,765.95)	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-
	FTR Yearly Allocation Amount	555.17	0\$		0 \$		0\$		0 \$	_	0\$	-	0\$	
	FTR Monthly Transaction Amount	555.35	0 \$		0 \$		0 \$		ŏ \$	-	0 \$	-	0 \$	
	FTR Full Funding Guarantee Amount	555.36	0\$	(185,590.60)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	FTR Guarantee Uplift Amount	555.37	0 \$	(79,375.55)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(158,019.07)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	FTR Annual Transaction Amount	555.38	0 \$	(1,769,902.19)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$	(16,761.79)	0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	53,686.43	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	DA Congestion Rebate on Option B GFA	555.07	0 \$	(2,682,530.68)	0 \$	5,000,136.44	0 \$ 0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	
	& Make Whole Payments		0 \$	(2,682,530.68)	0 \$	5,000,136.44	0 \$	-	0 \$	-	0 \$	-	0 \$	
NOC .	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(16,259.85)	0 \$	-	0 \$	(638.84)	0 \$	-	0 \$	-	0 \$	
	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0 \$		0 \$	-	0 \$	15.04	0 \$	-	0 \$	-
	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$		0 \$		0 \$	(569.37)	0 \$	162.69	0 \$	-	0 \$	-
	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$		0 \$	-	0 \$	37,825.65	0 \$	-	0 \$	-
	RT Price Volatility Make Whole Payment	555.42	0 \$	-	0 \$		0 \$	-	0 \$	1,025.18	0 \$	-	0 \$	
	SUBTOTAL		0 \$	(30,756.39)	0 \$	30,480.04	0 \$	(1,208.21)	0\$	39,028.56	0 \$	-	0 \$	
RNU	& Misc Charges	FFF 05	â â	(4.054.04)	0.0	0.04	0.		0.0		0.0			
	RT Misc Amount RT Net Inadvertent Amount	555.25 555.27	0\$	(1,054.91) (4,397,37)	0 \$ 0 \$		0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(165,489.57)	0 \$		0 \$	(6,503.59)	0 \$	813.56	0 \$	-	0 \$	
	RT Uninstructed Deviation Amount	555.31	0\$		0\$		0\$	-	0 \$	-	0\$	_	0\$	
	RT Demand Response Allocation Uplift Amount	555.59	0\$	(17,088.00)	0\$		0\$	-	0\$	-	0\$	-	0\$	
	DA Ramp Product	555.63	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Ramp Product	555.64	0 \$	(571.11)	0 \$	2,403.58	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(10,145.16)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
ACM	SUBTOTAL		0 \$	(198,746.12)	0 \$	38,611.35	0 \$	(6,503.59)	0\$	813.56	0\$	-	0 \$	
ASM	Charges RT ASM Non-Excessive Energy Amount	555.55	(35,465) \$	(862,367.35)	31,026 \$	577,235.67	(326) \$	(8,125.29)	18,777 \$	550,022.03	0 \$		0 \$	
1	RT ASM Non-Excessive Energy Amount RT ASM Excessive Energy Amount	555.55 555.56	(35,465) \$ (50) \$	(862,367.35) (2,226.50)	31,026 \$ 153 \$		(326) \$	(0,125.29)	18,777 \$ 8 \$	550,022.03 53.91	0 \$	-	0 \$	-
	SUBTOTAL	300.00	(35,515) \$	(864,593.85)	31,178 \$		(326) \$	(8,125.29)	18,785 \$	550,075.94	0 \$	-	0 \$	
Grand	dfathered Charge Types												·	
	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Loss Rebate on COGA SUBTOTAL	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
<u> </u>	SUBICIAL		0\$	-	0 \$	-	0 \$	-	υ\$	-	0 \$	-	υ \$	-
TOTA	AL MISO DAY 2 CHARGES		(587 058) ¢	(22,910,200.35)	393 486 6	17,266,957.22	(326) \$	(17,659.12)	20,828 \$	647,937.12	0 \$		0 \$	
1.014	Less Schedule 16 & 17 (Lines 16, 17, 18)		(001,000) \$ \$	(80,760.37)	<u> </u>		(320) \$	(11,000.12)	20,020 \$	041,331.1Z		-	ų \$	

					Detail of MI	Tail Power Company SO Day 2 Charges - Sys I includes any adjustme									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(1	(N
				RI	ETAIL			ASSET BASE	ED WHOLESALE			NON ASSET	BASED WHOLESA	LE	
_	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Rev	enue
	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			\$ (22,727,851.42)	\$ (5,462,035.11	\$ 17,265,816.31)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED	D TRANSA	CTIONS												
68	NET MISO (Rev-Cost and MWh)								\$	630,278.00				\$	-
69	Less: Fuel Cost								20,497 \$	512,607.01				•	
70	Less: Misc Cost Adjustment								\$	-				\$	-
71	Plus: Capacity Revenue Plus: Bilateral Sales													e e	
73	Less: Bilateral Purchases													ŝ	_
74	Less: Schedule 24 for Asset Based Sales								s	276.11				ŝ	-
75									•		11			•	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	117,394.88				\$	-

				Detail of MISO D	Power Company Day 2 Charges - Syste udes any adjustment								
	(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K)	(L)	(M)
Charge Type Description	Acct	MWh	RETA Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	ASED WHOLESALE MWh	Revenue
Day Ahead & Real Time Energy	7,001		0001		literende		0001		novonuo		0001		novonao
DA Asset Energy Amount	555.02	(428,627) \$	(14,463,055.19)	254,303 \$	7,918,512.86	0 \$	-	294 \$	10,752.71	0 \$	-	0 \$	
DA Non-asset Energy Amount	555.09	0 \$		4,224 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Asset Energy Amount	555.19	(29,529) \$	(574,403.89)	10,455 \$	317,678.45	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Non-Asset Energy Amount	555.26	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
SUBTOTAL		(458,156) \$	(15,037,459.08)	268,981 \$	8,417,304.26	0 \$		294 \$	10,752.71	0 \$	-	0 \$	
Day Ahead & Real Time Energy Loss		•						•					
DA FBT Loss Amount	555.04	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Distribution of Losses Amount RT FBT Loss Amount	555.24 555.21	0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	
DA Loss Amount	555.21	0 3		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	
RT Loss Amount		0 3		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0\$	
DA Losses Rebate on Option B GFA	555.08	0.\$	(130,034.03)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
SUBTOTAL	555.00	0 \$	(1,245,418.63)	0 \$	457,657.60	0 \$		0 \$	-	0 \$	-	0 \$	
Virtual Energy		• •	(.,,,		,								
DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Virtual Energy Amount	555.32	0 \$		0 \$		0 \$	-	0\$	-	0\$		0\$	
SUBTOTAL		0 \$		0 \$		0\$	-	0 \$	-	0 \$	-	0 \$	
Schedules 16 & 17													
DA Mkt Admin Amount	555.01	0 \$		0 \$		0 \$	(27.26)	0\$	- 1	0 \$	-	0 \$	
RT Mkt Admin Amount	555.18	0 \$		0 \$		0 \$	(1,457.94)	0 \$	1.87	0 \$	-	0 \$	
FTR Mkt Admin Amount	555.13	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
SUBTOTAL Congestion & FTRs		0 \$	(71,877.81)	0 \$	956.96	0 \$	(1,485.20)	0\$	1.87	0 \$	-	0 \$	
DA FBT Congestion Amount	555.03	0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
DA FBT Congestion Amount DA Congestion	555.03	0\$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	
RT FBT Congestion Amount	555.20	0\$		0 \$	(2,092,115.11)	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Congestion	000.20	0\$		0\$		0\$	_	0 \$		0 \$	_	0 \$	
FTR Hourly Allocation Amount	555.14	0\$		0\$	6,980,658.18	0\$	-	0\$	-	0\$	_	0\$	
FTR Monthly Allocation Amount	555.15	0\$		0\$	82,494.83	0\$		0 \$	-	0\$	-	0\$	
FTR Yearly Allocation Amount	555.17	0 \$		0\$	-	0\$		0 \$	-	0 \$	-	0\$	
FTR Monthly Transaction Amount	555.35	0\$	-	0\$	-	0 \$	-	ŏ \$	-	0 \$	-	0 \$	
FTR Full Funding Guarantee Amount	555.36	0 \$	(80,916.16)	0 \$	81,455.03	0 \$	-	0 \$	-	0 \$	-	0 \$	
FTR Guarantee Uplift Amount	555.37	0 \$	(81,455.03)	0 \$	80,916.16	0 \$	-	0 \$	-	0 \$	-	0 \$	
FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$	1,772,963.93	0 \$	-	0 \$	-	0\$	-	0 \$	
FTR Annual Transaction Amount	555.38	0 \$		0 \$	158,018.96	0 \$	-	0 \$	-	0 \$	-	0 \$	
FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	-	0 \$	53,686.43	0 \$	-	0 \$	-	0 \$	-	0 \$	
DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	
SUBTOTAL		0 \$	(3,285,190.38)	0 \$	6,317,417.75	0 \$	-	0 \$	-	0 \$	-	0 \$	
RSG & Make Whole Payments	555.10	0 6	(12.026.10)	0 \$		0 €	(407.05)	0 6		0 ¢		â 0	
DA Revenue Sufficiency Guarantee Distribution Amount DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.10	0 \$ 0 \$		0 \$	768.49	0 \$ 0 \$	(427.25)	0 \$ 0 \$	0.06	0 \$ 0 \$	-	0 \$ 0 \$	
RT Revenue Sufficiency Guarantee Make Whole Pyrnt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 3		0 \$		0 \$	(857.14)	0\$	28.53	0 \$	-	0 \$	
RT Revenue Sufficiency Guarantee Pirst Pass Distribution Amount RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$		0 \$		0 \$	(007.14)	0 \$	72,027.90	0\$	-	0\$	
RT Price Volatility Make Whole Payment	555.42	0\$	-	0\$	20,028.16	0\$	-	0 \$	614.73	0 \$	-	0 \$	
SUBTOTAL	000.12	0 \$	(41,865.07)	0 \$		0\$	(1,284.39)	0 \$	72,671.22	0\$	-	0 \$	
RNU & Misc Charges		· · ·											
RT Misc Amount	555.25	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Net Inadvertent Amount	555.27	0 \$	(58,286.12)	0 \$	51,916.39	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Revenue Neutrality Uplift Amount	555.28	0 \$		0 \$	28,019.42	0 \$	(8,457.45)	0 \$	859.87	0 \$	-	0 \$	
RT Uninstructed Deviation Amount	555.31	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	
DA Ramp Product	555.63	0 \$		0 \$	4,615.17	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Ramp Product	555.64	0 \$		0 \$	474.22	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Schedule 49 Cost Distribution Amount SUBTOTAL	555.65	0 \$	(22,328.43) (390,400.54)	0 \$	8.16 85,318.88	0 \$ 0 \$	(8,457.45)	0 \$	859.87	0 \$ 0 \$		0 \$ 0 \$	
ASM Charges		U \$	(000,400.04)	U \$	00,010.00	υφ	(0,-01.40)	U \$	333.07		-	U \$	
RT ASM Non-Excessive Energy Amount	555.55	(26,182) \$	(846,461.39)	20,105 \$	382,390.86	(46) \$	(2,105.67)	15,485 \$	695,259.36	0 \$	-	0 \$	
RT ASM Excessive Energy Amount	555.56	(20,102) \$	(3,192.00)	109 \$	946.26	0 \$	(434.90)	13 \$	-	0\$	-	0\$	
SUBTOTAL		(26,211) \$		20,213 \$		(46) \$	(2,540.57)	15,498 \$	695,259.36	Ŭ \$	-	0 \$	
Grandfathered Charge Types													
DA Congestion Rebate on COGA	555.05	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
DA Losses Rebate on COGA	555.06	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	
SUBTOTAL		0\$	-	0\$	-	0\$	-	0\$	-	0\$	-	0\$	
		(101	(00.004.65.55)		15 000		(10 mm	40.00- 1					
TOTAL MISO DAY 2 CHARGES			(20,921,864.90)		15,683,721.65	(46) \$	(13,767.61)	15,792 \$	779,545.03	0 \$	-	0 \$	
Less Schedule 16 & 17 (Lines 16, 17, 18) Congestion and Losses Adjustment		\$		\$	956.96								

					Detail of MI	Tail Power Company SO Day 2 Charges - Syst includes any adjustmen									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	()	M)
				RE	ETAIL			ASSET BASI	ED WHOLESALE			NON ASSET I	BASED WHOLESA	LE	
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Rev	enue
	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			\$ (20,911,463.80) S	\$ (5,228,699.11	\$ 15,682,764.69 1)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED 1	TRANSAG	TIONS												
68	NET MISO (Rev-Cost and MWh)								\$	765,777.42				\$	-
69	Less: Fuel Cost								15,745 \$	586,774.84				•	
70	Less: Misc Cost Adjustment								\$	-				\$	-
71	Plus: Capacity Revenue Plus: Bilateral Sales													ş ¢	-
73	Less: Bilateral Purchases													ŝ	
74	Less: Schedule 24 for Asset Based Sales								s	222.88				ŝ	-
75							1		•					-	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	178,779.70				\$	-

						Power Company Day 2 Charges - Syst udes any adjustment								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	RET	AIL	Revenue	MWh	ASSET BASED Cost	MWh	Revenue	MWh	NON ASSET BA	ASED WHOLESALE MWh	Revenue
Day	Ahead & Real Time Energy	ACCT	IVIVIN	Cost	IVIVIN	Revenue	IVIVV N	Cost	IVIVV N	Revenue	IVIVIN	Cost	IVIVID	Revenue
,	DA Asset Energy Amount	555.02	(448,487) \$	(18,631,726.24)	229,359 \$	9,625,265.41	0 \$		711 \$	46,925.54	0 \$	· ·	0 \$	
	DA Non-asset Energy Amount	555.09	0 \$	-	3,948 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
	RT Asset Energy Amount	555.19	(11,766) \$		13,744 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
	RT Non-Asset Energy Amount	555.26	(1) \$	(117.22)	0 \$		0 \$	-	0 \$	-	0 \$		0 \$	
_	SUBTOTAL		(460,254) \$	(18,925,660.85)	247,051 \$	10,390,947.83	0 \$	-	711 \$	46,925.54	0 \$	<u> </u>	0 \$	
Day	/ Ahead & Real Time Energy Loss DA FBT Loss Amount	555.04	0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
	RT Distribution of Losses Amount	555.24	0\$	(22,976.96)	0\$		0 \$	-	0 \$	-	0 \$	-	0\$	
	RT FBT Loss Amount	555.24	0 \$	(22,970.90)	0\$		0 \$	-	0 \$		0\$	-	0\$	
	DA Loss Amount	000.21	0 \$	(1,242,816.19)	0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-
	RT Loss Amount		0 \$	(81,383.99)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	DA Losses Rebate on Option B GFA	555.08	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
2	SUBTOTAL		0\$	(1,347,177.14)	0\$	394,827.87	0\$	-	0\$	-	0 \$	-	0\$	
	ual Energy													
	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
-	RT Virtual Energy Amount SUBTOTAL	555.32	0 \$		0 \$	-	0\$		0 \$	-			0 \$	
	nedules 16 & 17		. v ə		v 9				U Ş	-				
;	DA Mkt Admin Amount	555.01	0 \$	(55,776.63)	0 \$	-	0 \$	(57.85)	0\$	-	0 \$		0 \$	
	RT Mkt Admin Amount	555.18	0 \$	(8,231.02)	0 \$	173.83	0 \$	(1,407.16)	0\$	-	0 \$	-	0 \$	-
	FTR Mkt Admin Amount	555.13	0 \$	(2,183.84)	0 \$	-	0 \$		0\$	-	0 \$		0 \$	
	SUBTOTAL		0\$	(66,191.49)	0\$	173.83	0\$	(1,465.01)	0\$	-	0\$	-	0\$	
	ngestion & FTRs	555.00												
	DA FBT Congestion Amount DA Congestion	555.03	0\$	-	0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
	RT FBT Congestion Amount	555.20	0 \$	-	0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-
	RT Congestion	333.20	0\$	(46,564.79)	0\$		0 \$		0 \$	_	0\$	-	0\$	
	FTR Hourly Allocation Amount	555.14	0\$	(503,086.63)	0\$		0\$	-	0\$	_	0\$	_	0\$	-
	FTR Monthly Allocation Amount	555.15	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
;	FTR Yearly Allocation Amount	555.17	0 \$	-	0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
	FTR Monthly Transaction Amount	555.35	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	FTR Full Funding Guarantee Amount	555.36	0 \$	(82,024.92)	0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
•	FTR Guarantee Uplift Amount	555.37	0 \$	(165,398.35)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(158,019.07)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	FTR Annual Transaction Amount	555.38	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	FTR Auction Revenue Rights Infeasible Uplift Amount FTR Auction Revenue Rights Stage 2 Distribution Amount	555.40 555.41	0 \$	(16,761.79)	0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
;	SUBTOTAL	000.07	0\$	(2,741,757.74)	0 \$	6,180,703.67	0 \$		0 \$	-	0 \$	-	0 \$	-
	G & Make Whole Payments										1			
;	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(23,143.46)	0 \$		0 \$	(833.00)	0\$	-	0 \$	-	0 \$	-
·	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0 \$		0 \$		0 \$	2,090.14	0 \$	-	0 \$	-
	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$	(67,408.31)	0 \$		0 \$	(2,426.25)	0 \$	35.50	0 \$	-	0 \$	-
	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Price Volatility Make Whole Payment	555.30 555.42	0 \$	-	0 \$	24,332.80	0 \$	-	0 \$	450,320.19	0 \$	-	0 \$	-
-	SUBTOTAL	000.4Z	0 \$	(90,551.77)	0 \$	24,332.80 40,908.49	0 \$	(3,259.25)	0 \$	875.97 453,321.80	0 \$		0 \$	
	U & Misc Charges		Ψ		Ψ		Ĭ	(1,200.20)	ũ V	,021.00	1	-	¥	
2	RT Misc Amount	555.25	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Net Inadvertent Amount	555.27	0 \$	(15,837.16)	0 \$	10,451.66	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(465,364.68)	0 \$		0 \$	(16,752.61)	0 \$	1,090.97	0 \$	-	0 \$	-
	RT Uninstructed Deviation Amount	555.31	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
i.	RT Demand Response Allocation Uplift Amount	555.59	0 \$	(62,220.49)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	DA Ramp Product RT Ramp Product	555.63 555.64	0 \$	(487.90)	0 \$ 0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
	RT Ramp Product RT Schedule 49 Cost Distribution Amount	555.64 555.65	0 \$	(487.90) (16,754.78)	0 \$	1,382.20	0 \$	-	0 \$	-	0 \$	-	U \$ 0 \$	-
	SUBTOTAL	000.00	0 \$	(560,665.01)	0 \$	51,472.30	0 \$	(16,752.61)	0 \$	1,090.97			0 \$	
ASI	M Charges		· · ·								1		· · · · ·	
	RT ASM Non-Excessive Energy Amount	555.55	(36,614) \$	(1,046,599.94)	22,407 \$		(355) \$	(61,229.01)	16,331 \$	914,332.76	0 \$	-	0 \$	-
	RT ASM Excessive Energy Amount	555.56	(79) \$	(8,885.58)	221 \$	625.18	0 \$	-	0 \$	-	0 \$		0 \$	
Gra	SUBTOTAL Indfathered Charge Types		(36,693) \$	(1,055,485.52)	22,628 \$	616,646.00	(355) \$	(61,229.01)	16,331 \$	914,332.76	0\$	<u> </u>	0 \$	
Gra	DA Congestion Rebate on COGA	555.05	0 \$		0 \$		0 \$		0 \$		0 \$		0 \$	
	DA Losses Rebate on COGA	555.06	0\$	-	0\$		0\$	-	0\$	_	0\$	-	0\$	
	RT Congestion Rebate on COGA	555.22	0\$	-	0\$		0\$	-	0 \$	-	0\$	-	0\$	
•	RT Loss Rebate on COGA	555.23	0 \$	-	0\$		0 \$		0 \$	-	0\$		0\$	
1	SUBTOTAL		0\$	-	0 \$	-	0 \$	-	0\$	-	0\$	-	0 \$	
	TAL MISO DAY 2 CHARGES		(496,947) \$	(24,787,489.52)	269,679 \$		(355) \$	(82,705.88)	17,042 \$	1,415,671.07	0 \$	<u> </u>	0 \$	
)	Less Schedule 16 & 17 (Lines 16, 17, 18) Congestion and Losses Adjustment		\$	(66,191.49) 94,051.34	\$	173.83								

				Detail of MIS	Tail Power Company O Day 2 Charges - Sys ncludes any adjustmen									
	(/	A)	(B) (C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M))
				RETAIL				ED WHOLESALE				BASED WHOLESAL	E	
	Charge Type Description Ac	cct	MWh Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Rever	nue
63 64 65 66 67	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%		\$ (24,815,	349.37) \$ (7,139,843.21)	\$ 17,675,506.16									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TR	ANSACTI	IONS											
68 69 70 71 72	NET MISO (Rev-Cost and MWh) Less: Fuel Cost Less: Misc Cost Adjustment Plus: Capacity Revenue Plus: Bilateral Sales							\$ 16,687 \$ \$	1,332,965.19 1,125,329.15 -				\$ \$ \$ \$	-
73 74 75 76	Less: Bilateral Purchases Less: Schedule 24 for Asset Based Sales TOTAL ASSET or NON ASSET BASED WHOLESALE							\$	232.11 207.403.93				\$ \$ \$	-
								Ť					Ŧ	

					Detail of MISO D	Power Company Day 2 Charges - Syste udes any adjustment								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost RE1	MWh	Revenue	MWh	ASSET BASED	MWh MWh	Revenue	MWh	Cost	ASED WHOLESALE MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(422,140) \$		262,507 \$		0 \$	-	2,639 \$	221,978.62	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$		3,575 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
3 4	RT Asset Energy Amount RT Non-Asset Energy Amount	555.19 555.26	(15,385) \$ (29) \$		17,002 \$	809,648.95	0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	-
4	SUBTOTAL	555.26	(437,554) \$		283,084 \$	13,378,477.81	0 \$	-	2,639 \$	221,978.62	0 \$		0 \$	
5	Day Ahead & Real Time Energy Loss		(437,334) \$	(10,044,475.09)	203,004 \$	13,370,477.01	U 4	-	2,035 \$	221,370.02	U Ş		U Ą	-
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
8	RT FBT Loss Amount	555.21	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
10	RT Loss Amount		0 \$	21,554.51	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
11 12	DA Losses Rebate on Option B GFA SUBTOTAL	555.08	0 \$	(1,248,293.25)	0 \$ 0 \$	474,833.44	0 \$ 0 \$		0 \$		0 \$		0 \$ 0 \$	
	Virtual Energy		υ φ	(1,240,295.25)	υş	474,033.44	υş		υş	-	U Ş		U Ą	
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0\$	-	0 \$	-	0\$	-
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
	Schedules 16 & 17													
16	DA Mkt Admin Amount	555.01	0 \$		0 \$		0 \$	(191.83)	0 \$	- 1	0 \$	-	0 \$	-
17 18	RT Mkt Admin Amount	555.18	0 \$		0 \$		0 \$	(1,707.56)	0 \$	-	0 \$	-	0 \$	-
18 19	FTR Mkt Admin Amount SUBTOTAL	555.13	0 \$		0 \$ 0 \$		0 \$ 0 \$	(1,899.39)	0 \$	-	0 \$	-	0 \$ 0 \$	
19	Congestion & FTRs		0 \$	(00,011.50)	0 \$	234.04	0 \$	(1,099.39)	0 \$	-	0 \$		0 \$	-
20	DA FBT Concestion Amount	555.03	0 \$	-	0 \$		0 \$		0 \$	-	0 \$		0 \$	-
21	DA Congestion	000.00	0\$		0\$		0\$	-	0 \$	-	0\$	-	0\$	-
22	RT FBT Congestion Amount	555.20	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount	555.14	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$		0 \$,	0 \$	-	0\$	-	0 \$	-	0 \$	-
26	FTR Yearly Allocation Amount	555.17	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
27 28	FTR Monthly Transaction Amount FTR Full Funding Guarantee Amount	555.35 555.36	0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
20 29	FTR Guarantee Uplift Amount	555.36	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0\$		0 \$		0 \$		0 \$		0 \$	-	0 \$	-
30 31	FTR Annual Transaction Amount	555.38	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$		0 \$	125,259.76	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
35	SUBTOTAL RSG & Make Whole Payments		0 \$	(8,855,056.49)	0 \$	9,415,035.15	0 \$	-	0\$	-	0 \$	-	0 \$	-
26	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(23,793.72)	0 \$		0 \$	(1,241.13)	0 \$		0 \$		0 \$	
36 37	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0\$		0\$		0 \$	(1,241.13)	0 \$	74.13	0\$	-	0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$		0\$		0\$	(4,508.82)	0\$	229.46	0\$	-	0\$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$		0 \$		0 \$		0\$	270,678.29	0 \$	-	0\$	-
40 41	RT Price Volatility Make Whole Payment	555.42	0 \$	-	0 \$	122,552.21	0 \$	-	0 \$	6,393.43	0 \$	-	0 \$	-
	SUBTOTAL		0 \$	(110,226.32)	0 \$	145,358.74	0 \$	(5,749.95)	0\$	277,375.31	0 \$	-	0 \$	-
	RNU & Misc Charges						<u> </u>				1			
42 43	RT Misc Amount	555.25 555.27	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
43 44	RT Net Inadvertent Amount RT Revenue Neutrality Uplift Amount	555.27 555.28	0 \$		0 \$		0 \$	(7,778.42)	0 \$	2.982.26	0 \$	-	0 \$	-
44 45	RT Revenue Neutrality Oplint Amount RT Uninstructed Deviation Amount	555.28 555.31	0 \$		0 \$		0 \$	(1,110.42)	0\$	2,902.20	0 \$	-	0 \$	-
45 46	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0\$		0 \$	-	0 \$	-	0\$	-	0 \$	-
47	DA Ramp Product	555.63	0\$		0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-
48	RT Ramp Product	555.64	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0\$	-
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(16,209.93)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL		0 \$	(235,033.27)	0 \$	80,066.41	0\$	(7,778.42)	0\$	2,982.26	0 \$	-	0 \$	-
	ASM Charges		(54.007) *	(0.004.005.55)	10.000 *	074 050 07	(500) 6	(00.044.05)	04.405 6	000 005 75				
51 52	RT ASM Non-Excessive Energy Amount RT ASM Excessive Energy Amount	555.55 555.56	(54,867) \$ (1) \$	(2,324,095.55) (513.89)	12,890 \$ 62 \$	271,250.67 107.64	(563) \$ 0 \$	(63,341.86) (73.56)	21,485 \$ 11 \$	802,685.72 22.50	0 \$	-	0 \$ 0 \$	-
53	SUBTOTAL	333.00	(54,867) \$	(2,324,609.44)	12,953 \$	271,358.31	(563) \$	(63,415.42)	21,496 \$	802,708.22	0 \$		0 \$	
	Grandfathered Charge Types		(, ,, v	· · · · · · · · · · · · · · · · · · ·		,		(,	, +				- •	
54	DA Congestion Rebate on COGA	555.05	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
55 56	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 58	RT Loss Rebate on COGA SUBTOTAL	555.23	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
აგ	SUDIVIAL		0 \$	-	0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
59	TOTAL MISO DAY 2 CHARGES		(492,422) \$	(31,678,503.96)	296,036 \$	23,765,364.50	(563) \$	(78,843.18)	24,135 \$	1,305,044.41	0 \$	-	0 \$	_
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		(492,422) \$	(60,811.50)	290,030 \$	23,765,364.50	(303) \$	(10,040.10)	⊾ 4 ,100 Ø	1,303,044.41	0 3		v \$	-
61	Congestion and Losses Adjustment		\$		·		1							
62	No DA generation sch., but still had output for current month		\$	-			1				1			

					Detail of MIS	Fail Power Company O Day 2 Charges - Syst ncludes any adjustmen									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
					TAIL				ED WHOLESALE				BASED WHOLESA	LE	
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Rev	enue
63 64 65 66 67			\$	\$ (31,628,050.47) \$	(7,862,920.61)	\$ 23,765,129.86									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BAS	ED TRANSA	CTIONS												
68 69	Less: Fuel Cost								\$ 23,571 \$	1,226,201.23 1,227,508.97				\$	-
70 71 70	Less: Misc Cost Adjustment Plus: Capacity Revenue								\$	-				\$	-
72	Plus: Bilateral Sales Less: Bilateral Purchases									000 00				\$	-
74	Less: Schedule 24 for Asset Based Sales								\$	296.33				\$	-
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	(1,604.07)				\$	-

					Detail of MISO D	Power Company Day 2 Charges - Syst udes any adjustment								
		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED		(I)	(J)	(K)		(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1		555.02	(412,902) \$		346,810 \$		0 \$	-	13,646 \$	975,619.76	0 \$	-	0 \$	-
2 3		555.09	0 \$		3,738 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
3		555.19 555.26	(12,922) \$	(975,008.84)	20,702 \$	841,722.64	0 \$	-	0 \$	-	0 \$	-	0 \$	-
4	SUBTOTAL	555.26		(19,559,522.75)	371,249 \$	17,308,601.10	0 \$	-	0 \$	975,619.76			0 \$	-
5	Day Ahead & Real Time Energy Loss		(423,024) \$	(13,333,322.73)	571,245 ¢	17,300,001.10	U \$		13,040 \$	373,013.70	U Ş	-	υş	-
6		555.04	0\$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
7		555.24	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
8		555.21	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
10 11	RT Loss Amount DA Losses Rebate on Option B GFA	555.08	0 \$	84,944.57	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL	555.08	0 \$	(1,382,670.10)	0 \$	541,825.09	0 \$		0 \$		0 \$		0 \$	-
	Virtual Energy		, v v	(1,502,070.10)	υų	341,023.03	υψ	_	υψ	-	ψΨ	_	υψ	-
13		555.12	0\$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$		0\$	-	0 \$	-	0 \$	-
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
	Schedules 16 & 17													
16 17		555.01 555.18	0\$		0 \$		0 \$ 0 \$	(1,116.31)	0 \$	- 0.20	0 \$	-	0\$	-
17 18		555.18 555.13	0 \$		0 \$	196.28	0 \$	(1,805.59)	0\$	0.20	0 \$	-	0\$	-
18	SUBTOTAL	JJJ. 13	0 \$		0 \$	196.28	0 \$	(2,921.90)	0 \$	0.20	0 \$		0 \$	
	Congestion & FTRs			(,				(_,=)						
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
22		555.20	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
24 25		555.14 555.15	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
26		555.15 555.17	0\$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
27		555.35	0\$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0 \$	(2,941.02)	0 \$	2,856.90	0 \$	-	0 \$	-	0 \$	-	0 \$	-
29		555.37	0 \$		0 \$	2,941.02	0 \$	-	0 \$	-	0 \$	-	0 \$	-
30 31		555.39	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
31		555.38	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
32		555.40	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
33 34		555.41 555.07	0 \$	-	0 \$	125,259.76	0 \$	-	0 \$	-	0 \$		0 \$	-
35	SUBTOTAL	333.07	0\$	(8,195,057.40)	0 \$	8,816,570.75	0 \$		0 \$	-	0 \$	-	0 \$	-
00	RSG & Make Whole Payments		, ,	(0,100,001110)	ů v	0,010,01010	° *		Ŭ Ų				ů V	
36 37		555.10	0\$	(15,022.42)	0 \$	-	0 \$	(1,048.63)	0 \$	-	0 \$	-	0 \$	-
37		555.11	0 \$		0 \$		0 \$	-	0\$	5,228.81	0 \$	-	0 \$	-
38		555.29	0 \$		0 \$		0 \$	(4,362.75)	0 \$	85.43	0 \$	-	0 \$	-
39		555.30	0 \$	-	0 \$		0 \$	-	0 \$	169,268.76	0 \$	-	0 \$	-
40 41	RT Price Volatility Make Whole Payment SUBTOTAL	555.42	0 \$	(77,515.97)	0 \$ 0 \$	131,811.74 134,955.92	0 \$	(5,411.38)	0 \$	9,202.53 183,785.53	0 \$ 0 \$		0 \$ 0 \$	-
	RNU & Misc Charges		v	(11,515.51)	υş	134,333.32	U \$	(5,411.50)	U Ş	103,703.33	U Ş	-	υş	-
42		555.25	0 \$	-	0 \$	-	0 \$	-	0 \$	- 1	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(22,661.32)	0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(114,437.70)	0 \$	23,517.73	0 \$	(7,989.28)	0\$	1,641.70	0 \$	-	0 \$	-
45 46		555.31	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
46 47		555.59	0 \$		0 \$		0 \$ 0 \$	-	0 \$	-	0 \$	-	0 \$	-
47 48		555.63 555.64	0 \$		0\$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
48 49		555.64 555.65	0 \$	(876.67) (16,614.90)	0\$	2,824.41	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL	000.00	0 \$		0 \$		0 \$	(7,989.28)	0 \$	1,641.70		-	0 \$	-
	ASM Charges		·					. ,						
51		555.55	(62,300) \$		11,362 \$	385,590.82	(2,590) \$	(158,302.58)	17,438 \$	836,665.66	0 \$	-	0 \$	-
52 53		555.56	0 \$	(113.97)	100 \$	29.98	0 \$		4 \$	56.97	0 \$		0 \$	-
53	SUBTOTAL Grandfathered Charge Types		(62,300) \$	(2,184,886.33)	11,462 \$	385,620.80	(2,590) \$	(158,302.58)	17,442 \$	836,722.63	0 \$	-	0 \$	-
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0 \$		0 \$	-	0 \$		0 \$	-	0 \$	-
55		555.06	0\$		0\$	-	0\$	-	0\$	-	0\$	-	0\$	-
55 56 57	RT Congestion Rebate on COGA	555.22	0 \$		0\$		0 \$	-	0\$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA	555.23	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0\$	-	0\$		0 \$	-
50	TOTAL MISO DAY 2 CHARGES		(400 400)	(24 000 204 05)	000 74 /	07 004 000 00	(2,590) \$	(174,625.14)	31,088 \$	4 007 700 00				
59 60	TOTAL MISO DAY 2 CHARGES Less Schedule 16 & 17 (Lines 16, 17, 18)		(488,123) \$	(31,669,394.25) (71,547.78)	382,711 \$ \$	27,231,999.69 196.28	(∠,590) \$	(174,625.14)	31,088 \$	1,997,769.82	0 \$	-	0 \$	-
61	Concestion and Losses Adjustment		ې \$		\$	150.20					1			
62	No DA generation sch., but still had output for current month		\$											
	-		•			•	•				•			

					Detail of MIS	Tail Power Company SO Day 2 Charges - Syst includes any adjustmeni									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M	.)
					ETAIL				ED WHOLESALE				BASED WHOLESA	LE	
_	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Reve	nue
63 64 65 66 67	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			\$ (31,589,993.64)	\$ (4,358,190.23	\$ 27,231,803.41)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED	TRANSA	CTIONS												
68 69 70 71	NET MISO (Rev-Cost and MWh) Less: Fuel Cost Less: Misc Cost Adjustment Plus: Capacity Revenue								\$ 28,498 \$ \$	1,823,144.68 1,217,323.01 -				\$ \$ \$	-
72 73 74 75	Plus: Bilateral Sales Less: Bilateral Purchases Less: Schedule 24 for Asset Based Sales								\$	404.37				\$ \$ \$	-
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	605,417.30				\$	-

					Detail of MISO I	Power Company Day 2 Charges - Syst cludes any adjustme								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	RET Cost	AIL MWh	Revenue	MWh	ASSET BASED	MWh MWh	Revenue	MWh	NON ASSET BA	ASED WHOLESALE MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(466,629) \$		394,033 \$		0 \$	-	16,653 \$	1,163,497.87	0 \$	-	0 \$	-
2 3	DA Non-asset Energy Amount	555.09	0 \$		4,525 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
3	RT Asset Energy Amount RT Non-Asset Energy Amount	555.19 555.26	(21,128) \$	(959,894.80)	15,357 \$ 0 \$	680,879.27	0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	-
4	SUBTOTAL	555.26		(26,291,941.45)		22.648.702.36	0 \$		16.653 \$	1.163.497.87			0 \$	
5	Day Ahead & Real Time Energy Loss		(401,100) \$	(20,231,341.43)	410,010 \$	22,040,702.00	υψ	_	10,000 \$	1,100,407.07	ů ů	_	Ŭ Ŷ	_
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
8	RT FBT Loss Amount	555.21	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
9 10	DA Loss Amount RT Loss Amount		0 \$		0 \$ 0 \$		0 \$	-	0\$	-	0 \$	-	0 \$ 0 \$	-
10	RT Loss Amount DA Losses Rebate on Option B GFA	555.08	0 \$	(5,543.01)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL	333.00	0 \$	(1,751,539.99)	0 \$	621.791.84	0 \$	-	0 \$	-	0 \$		0 \$	
	Virtual Energy			(.,,)			- +							
13	DA Virtual Energy Amount	555.12	0\$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
10	Schedules 16 & 17 DA Mkt Admin Amount	555 04	0 *	(66 250 95)	0.0		0 6	(1 200 04)	0 0		0 *		0 ¢	
16 17	DA Mikt Admin Amount RT Mikt Admin Amount	555.01 555.18	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	(1,299.04) (2,417.46)	0 \$ 0 \$	- 16.15	0 \$	-	0 \$ 0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$	(2,648.56)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0\$	-
19	SUBTOTAL		0\$	(77,537.86)	0 \$	357.64	0\$	(3,716.50)	0 \$	16.15	0 \$	-	0 \$	-
	Congestion & FTRs													
20 21	DA FBT Congestion Amount	555.03	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion	555.20	0 \$		0 \$ 0 \$		0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
22 23	RT FBT Congestion Amount RT Congestion	555.20	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0\$	-
23 24	FTR Hourly Allocation Amount	555.14	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0\$		0\$		0 \$	-	0 \$	-	0\$	-	0 \$	-
26	FTR Yearly Allocation Amount	555.17	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
26 27	FTR Monthly Transaction Amount	555.35	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0 \$	(2,762.74)	0\$		0 \$	-	0\$	-	0 \$	-	0 \$	-
29 30 31	FTR Guarantee Uplift Amount	555.37	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount FTR Annual Transaction Amount	555.39 555.38	0 \$ 0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0\$		0\$		0\$	-	0\$	-	0\$	-	0\$	-
32 33 34	DA Congestion Rebate on Option B GFA	555.07	0 \$	-	0 \$	-	0 \$	-	0\$	-	0 \$	-	0\$	-
35	SUBTOTAL		0 \$	(9,163,172.10)	0 \$	8,804,777.05	0 \$	-	0\$	-	0 \$		0 \$	-
	RSG & Make Whole Payments				-		-		-					
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(21,364.60)	0 \$		0 \$	(2,117.24)	0 \$	0.01	0 \$	-	0 \$ 0 \$	-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.11 555.29	0 \$		0 \$ 0 \$		0 \$ 0 \$	(6,697.80)	0 \$ 0 \$	48,458.71 270.33	0 \$ 0 \$	-	0\$	-
37 38 39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0\$		0\$		0\$	(0,037.00)	0 \$	228,901.81	0\$	-	0 \$	-
40	RT Price Volatility Make Whole Payment	555.42	0\$	-	0 \$	83,177.96	0\$		0 \$	8.243.80	0 \$	-	0\$	
41	SUBTOTAL		0\$	(88,948.35)	0 \$		0\$	(8,815.04)	0\$	285,874.66	0\$	-	0 \$	-
	RNU & Misc Charges													
42	RT Misc Amount	555.25	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
43 44	RT Net Inadvertent Amount RT Revenue Neutrality Uplift Amount	555.27 555.28	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	(4,200.49)	0 \$ 0 \$	- 4,310.31	0 \$	-	0 \$ 0 \$	-
44 45	RT Revenue Neutrality Oplint Amount RT Uninstructed Deviation Amount	555.31	0 \$		0 \$		0 \$	(4,200.49)	0 \$	4,310.31	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 \$	1,809.26	0 \$	-	0 \$	-	0 \$	-	0\$	-
48	RT Ramp Product	555.64	0 \$	(730.65)	0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
49 50	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(19,913.67)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL ASM Charges		0 \$	(105,371.66)	0 \$	68,294.91	0 \$	(4,200.49)	0\$	4,310.31	0 \$	-	0 \$	-
51	RT ASM Non-Excessive Energy Amount	555.55	(51,815) \$	(2,299,019.79)	17,024 \$	401,467.64	(1,924) \$	(95,775.93)	25,324 \$	1,366,338.07	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	(197) \$	-	5 \$	146.72	0 \$	-	0 \$	4.28	0 \$	-	0 \$	-
53	SUBTOTAL		(52,012) \$	(2,299,019.79)	17,030 \$	401,614.36	(1,924) \$	(95,775.93)	25,324 \$	1,366,342.35	0 \$	-	0 \$	-
	Grandfathered Charge Types													
54	DA Congestion Rebate on COGA	555.05	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
55 56	DA Losses Rebate on COGA RT Congestion Rebate on COGA	555.06 555.22	0 \$ 0 \$		0 \$ 0 \$		0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
56 57	RT Congestion Rebate on COGA RT Loss Rebate on COGA	555.22 555.23	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL	000.20	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$		0 \$	-
							1							
59	TOTAL MISO DAY 2 CHARGES		(539,768) \$			32,674,381.50	(1,924) \$	(112,507.96)	41,977 \$	2,820,041.34	0 \$	-	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(77,537.86)	\$	357.64								
60 61 62	Congestion and Losses Adjustment No DA generation sch., but still had output for current month		\$ \$	(111,992.08) (48,659.13)										
02	no on generation sen, but suit nau output for current month		ې م	(40,033.13)		1	1			I	1			

					Detail of MIS	ail Power Company O Day 2 Charges - Syst includes any adjustme									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
					TAIL				D WHOLESALE				ASED WHOLESAL	E	
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Reven	ue
63 64 65 66 67	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%		\$	5 (39,539,342.13) \$	(6,865,318.27)	\$ 32,674,023.86									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED	TRANSA	CTIONS												
68 69 70	NET MISO (Rev-Cost and MWh) Less: Fuel Cost Less: Misc Cost Adjustment								\$ 40,053 \$ \$	2,707,533.38 2,099,621.90 -				\$ \$	-
71 72 73	Plus: Capacity Revenue Plus: Bilateral Sales Less: Bilateral Purchases													\$ \$ \$	-
74 75	Less: Schedule 24 for Asset Based Sales								\$	539.69				\$	-
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	607,371.79				\$	

					Detail of MISO D	Power Company Day 2 Charges - Syst Includes any adjustn								
		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K)		(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(436,663) \$		365,090 \$	20,509,086.32	0 \$	-	14,304 \$	1,157,379.47	0 \$	-	0 \$	-
2 3	DA Non-asset Energy Amount RT Asset Energy Amount	555.09 555.19	0 \$ (14,442) \$		3,999 \$ 23,638 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
4	RT Non-Asset Energy Amount	555.26	(14,442) \$ (52) \$		23,038 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
5	SUBTOTAL	000.20	(451,156) \$		392,727 \$		0 \$		14,304 \$	1,157,379.47			0 \$	-
	Day Ahead & Real Time Energy Loss													
6	DA FBT Loss Amount	555.04	0 \$		0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
8 9	RT FBT Loss Amount DA Loss Amount	555.21	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$		0 \$ 0 \$	-
9 10	RT Loss Amount		0\$		0\$		0 \$	-	0 \$	-	0\$	-	0 \$	-
11	DA Losses Rebate on Option B GFA	555.08	0\$	-	0\$	-	0\$	-	0 \$	-	0\$	-	0\$	-
12	SUBTOTAL		0\$	(1,628,666.69)	0 \$	564,496.48	0\$	-	0\$	-	0\$	-	0 \$	
	Virtual Energy													
13 14	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14 15	RT Virtual Energy Amount SUBTOTAL	555.32	0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$		0 \$	-	0 \$		0 \$ 0 \$	-
	SOBIOTAL Schedules 16 & 17		U \$	-	υş		U \$		υş	-	0 \$	-	υş	
16	DA Mkt Admin Amount	555.01	0 \$	(67,407.65)	0 \$		0 \$	(1,241.04)	0 \$	-	0 \$	-	0 \$	-
17	RT Mkt Admin Amount	555.18	0 \$	(8,779.69)	0\$		0 \$	(1,781.85)	0\$	-	0 \$	-	0\$	-
18	FTR Mkt Admin Amount	555.13	0 \$	(2,391.84)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
19	SUBTOTAL		0 \$	(78,579.18)	0 \$	272.53	0 \$	(3,022.89)	0\$	-	0\$	-	0 \$	-
	Congestion & FTRs DA FBT Congestion Amount	555.03	0.0		0.0		0.0		0.0		0.0		0.0	
20 21	DA FBT Congestion Amount DA Congestion	555.03	0 \$ 0 \$		0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$		0 \$ 0 \$	-
22	RT FBT Congestion Amount	555.20	0\$		0\$		0\$	-	0 \$	-	0\$	-	0\$	-
23	RT Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
24 25	FTR Hourly Allocation Amount	555.14	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
25	FTR Monthly Allocation Amount	555.15	0 \$		0 \$	5,338.95	0 \$	-	0\$	-	0 \$	-	0 \$	-
26 27	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	555.17 555.35	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$ 0 \$	-
27	FTR Full Funding Guarantee Amount	555.35	0 \$ 0 \$		0 \$		0 \$	-	0 \$	-	0 \$		0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0\$		0\$		0\$	-	0 \$	-	0\$	-	0\$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0\$		0\$		0\$	-	0 \$	-	0\$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$	(8,062,427.35)	0 \$	545,314.94	0 \$	-	0\$	-	0 \$	-	0 \$	-
32 33	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41	0 \$	(549.09)	0 \$	70,699.59	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34 35	DA Congestion Rebate on Option B GFA SUBTOTAL	555.07	0 \$	(9,862,254.38)	0 \$ 0 \$	10,165,629.89	0 \$ 0 \$		0 \$	-	0 \$		0 \$ 0 \$	-
35	RSG & Make Whole Payments		υş	(3,002,234.30)	υş	10,103,023.03	U Ş	-	U Ģ	-	U Ş	-	υş	-
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(18,437.50)	0 \$	-	0 \$	(1,336.00)	0 \$	-	0 \$	-	0 \$	-
36 37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0 \$		0 \$	-	0\$	14,545.09	0 \$	-	0 \$	-
38 39	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$		0 \$		0 \$	(3,856.82)	0 \$	86.96	0 \$	-	0 \$	-
39 40	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$	-	0 \$		0 \$	-	0 \$	166,233.18 4.113.14	0 \$	-	0 \$ 0 \$	-
40	RT Price Volatility Make Whole Payment SUBTOTAL	555.42	0 \$	(71,660.61)	0 \$	56,755.12 78,698.55	0 \$	(5,192.82)	0 \$	4,113.14 184.978.37			0 \$	-
41	RNU & Misc Charges		• • •	(71,000.01)	Ŭ Ŷ	10,000.00	ů v	(0,102.02)	Ŭ Ŷ	104,070.07	v v		υψ	-
42	RT Misc Amount	555.25	0 \$	(832.94)	0 \$	544.24	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$		0 \$	18,765.87	0 \$	-	0 \$	-	0 \$	-	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$		0 \$		0 \$	(6,366.98)	0 \$	1,556.80	0 \$	-	0 \$	-
45 46	RT Uninstructed Deviation Amount RT Demand Response Allocation Uplift Amount	555.31 555.59	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
46 47	RT Demand Response Allocation Uplift Amount DA Ramp Product	555.59 555.63	0\$	(0,333.52)	0\$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
48	RT Ramp Product	555.64	0\$		0\$		0\$	-	0\$	-	0\$	-	0\$	-
49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(13,889.04)	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL		0\$		0 \$	46,976.70	0 \$	(6,366.98)	0 \$	1,556.80	0\$	-	0 \$	-
	ASM Charges		(50.450) 1	(0.070.500.0.)	45.00- +	004.050.07	(7.40)	(10.071.67)	17.150					
51 52	RT ASM Non-Excessive Energy Amount RT ASM Excessive Energy Amount	555.55 555.56	(52,453) \$ 0 \$	(2,270,500.61) (449,22)	15,033 \$ 87 \$	234,259.95	(749) \$ 0 \$	(19,371.02)	17,152 \$ 111 \$	989,921.76 1,733.01	0 \$	-	0 \$ 0 \$	-
53	SUBTOTAL	333.30	(52,453) \$		15,121 \$	234,259.95	(749) \$	(19,371.02)	17,263 \$	991,654.77	0 \$		0 \$	-
	Grandfathered Charge Types		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	())) /	·-,·-· •	. ,	, *	(, +	,			- •	
54	DA Congestion Rebate on COGA	555.05	0 \$	-	0\$		0 \$	-	0\$	-	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA	555.06	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
56 57	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57 58	RT Loss Rebate on COGA SUBTOTAL	555.23	0 \$		0 \$ 0 \$		0 \$ 0 \$		0 \$		0 \$	-	0 \$ 0 \$	
50	CODICIAL		U 9	-	0 \$			-	υş	_	U \$	-	U Ş	-
	TOTAL MISO DAY 2 CHARGES		(503,610) \$	(38,738,795.49)	407,848 \$	33,138,345.18	(749) \$	(33,953.71)	31,567 \$	2,335,569.41	0 \$	-	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(78,579.18)	\$	272.53								
61 62	Congestion and Losses Adjustment		\$	(77,396.73)			1				1			
62	No DA generation sch., but still had output for current month		\$	(41,444.10)			1			I	1			

					Detail of MIS	Tail Power Company SO Day 2 Charges - Sys 22 includes any adjustr									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M))
					TAIL				ED WHOLESALE				BASED WHOLESA	E	
_	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Rever	nue
63 64 65 66 67	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			\$ (38,541,375.48) \$	(5,403,302.83	\$ 33,138,072.65)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED	D TRANSA	CTIONS												
68 69 70 71 72	NET MISO (Rev-Cost and MWh) Less: Fuel Cost Less: Misc Cost Adjustment Plus: Capacity Revenue Plus: Bilateral Sales								\$ 30,818 \$ \$	2,301,615.70 2,030,561.09 -				\$ \$ \$ \$	-
73 74 75	Less: Bilateral Purchases Less: Schedule 24 for Asset Based Sales								\$	464.96				\$	-
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	270,589.65				\$	-

					Detail of MISO D	Power Company Day 2 Charges - Syst cludes any adjustme								
		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K)	(L) SED WHOLESALE	(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02 555.09	(454,602)		250,941 \$ 3,971 \$		0 \$ 0 \$	-	157 \$	5,196.94	0 \$	-	0 \$	-
2 3	DA Non-asset Energy Amount RT Asset Energy Amount	555.19	0 \$ (16,825) \$		3,971 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	
4	RT Non-Asset Energy Amount	555.26	0 \$; · · ·	0 \$	-	0\$	-	0 \$	-	0\$	-	0\$	-
5	SUBTOTAL		(471,428) \$	(15,558,920.28)	274,467 \$	8,651,851.65	0 \$	-	157 \$	5,196.94	0 \$	-	0 \$	-
	Day Ahead & Real Time Energy Loss	555.04												
6 7	DA FBT Loss Amount RT Distribution of Losses Amount	555.04 555.24	0 \$		0 \$	357,518.87	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-
8	RT FBT Loss Amount	555.24	0 3		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
10	RT Loss Amount		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
11 12	DA Losses Rebate on Option B GFA SUBTOTAL	555.08	0 \$		0 \$	- 357,518.87	0 \$ 0 \$		0 \$	-	0 \$		0 \$ 0 \$	-
	Virtual Energy		0 \$	(725,430.15)	0 \$	357,510.07	0 \$	-	0 \$	-	U Ş	-	0 \$	
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$		0 \$		0 \$		0 \$	-
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
	Schedules 16 & 17	EEC 04		(64.007.00)	~ *		0 ¢	(14.03)	<u> </u>				^ ^	
16 17	DA Mkt Admin Amount RT Mkt Admin Amount	555.01 555.18	0 \$		0 \$ 0 \$		0 \$ 0 \$	(14.03) (1,241.55)	0 \$ 0 \$	0.46	0 \$ 0 \$	-	0 \$ 0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$		0\$		0\$	-	0\$	-	0 \$	-	0\$	-
19	SUBTOTAL		0\$	(64,987.67)	0 \$	203.66	0\$	(1,255.58)	0\$	0.46	0 \$	-	0 \$	
	Congestion & FTRs													
20 21	DA FBT Congestion Amount DA Congestion	555.03	0\$	-	0 \$ 0 \$	- (2,174,553.60)	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	-
21	RT FBT Congestion Amount	555.20	0 \$		0 \$	(2,174,553.60)	0 \$	-	0 \$	-	0 \$		0 \$	
23	RT Congestion	000.20	0 \$		0\$	-	0\$	-	0 \$	-	0\$	-	0\$	-
24 25	FTR Hourly Allocation Amount	555.14	0 \$		0 \$	5,143,505.25	0\$	-	0\$	-	0\$	-	0 \$	-
	FTR Monthly Allocation Amount	555.15	0 \$		0 \$	14,670.39	0 \$	-	0 \$	-	0 \$	-	0 \$	-
26 27	FTR Yearly Allocation Amount FTR Monthly Transaction Amount	555.17 555.35	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
27	FTR Full Funding Guarantee Amount	555.35	0 \$		0 \$	169,812.75	0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$		0 \$	
29	FTR Guarantee Uplift Amount	555.37	0\$		0\$	14,453.54	0 \$	-	0 \$	-	0\$	-	0 \$	-
30 31	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$	(544,469.05)	0 \$	8,064,212.63	0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0\$		0 \$	545,314.94	0 \$	-	0\$	-	0 \$	-	0 \$	-
32 33	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
33 34	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	555.41 555.07	0 \$		0 \$ 0 \$	70,150.41	0 \$		0 \$	-	0 \$		0 \$	
35	SUBTOTAL	555.07	0 \$			11,847,566.31	0 \$	-	0 \$	-	0 \$	-	0 \$	
	RSG & Make Whole Payments													
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$		0 \$		0 \$	(513.50)	0 \$	-	0 \$	-	0 \$	-
37 38	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.11 555.29	0 \$		0 \$ 0 \$		0 \$ 0 \$	(659.65)	0 \$ 0 \$	- 116.35	0 \$ 0 \$	-	0 \$ 0 \$	-
39	RT Revenue Sufficiency Guarantee Pilst Pass Distribution Amount	555.30	0 \$		0 \$		0\$	(059.05)	0 \$	24,005.70	0 \$	-	0 \$	-
40 41	RT Price Volatility Make Whole Payment	555.42	0 \$	(15.05)	0 \$	40,439.75	0 \$	(0.49)	0 \$	1,343.95	0 \$	-	0 \$	-
41	SUBTOTAL		0 \$	(35,336.30)	0 \$	50,509.30	0 \$	(1,173.64)	0\$	25,466.00	0 \$	-	0 \$	-
40	RNU & Misc Charges	555.05		(400.070.44)		7 000 75			~ ^					
42 43	RT Misc Amount RT Net Inadvertent Amount	555.25 555.27	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
43	RT Revenue Neutrality Uplift Amount	555.28	0 \$		0 \$	30,277.36	0 \$	(5,030.55)	0 \$	1,005.99	0 \$	-	0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$	-	0 \$	· -	0 \$	-	0 \$	-	0 \$	-	0 \$	-
46	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$	138.40	0 \$	-	0 \$	-	0 \$	-	0 \$	-
47	DA Ramp Product RT Ramp Product	555.63 555.64	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
48 49	RT Ramp Product RT Schedule 49 Cost Distribution Amount	555.64 555.65	0 \$	(6.90) (15,945.29)	0\$	837.93	0 \$	-	0 \$	-	0 \$	-	0 \$	-
50	SUBTOTAL	333.03	0\$		0\$	78,401.80	0 \$	(5,030.55)	0 \$	1,005.99		-	0 \$	-
	ASM Charges							. ,					· · ·	
51	RT ASM Non-Excessive Energy Amount	555.55	(39,872) \$		20,939 \$	332,726.03	(1) \$	(2,008.80)	15,119 \$	655,696.46	0 \$	-	0 \$	-
52 53	RT ASM Excessive Energy Amount SUBTOTAL	555.56	0 \$ (39,872) \$	(2,908.89) (1,510,093.34)	106 \$ 21,044 \$	332,726.03	0 \$ (1) \$	(2,008.80)	16 \$ 15,135 \$	709.65 656,406.11	0 \$		0 \$ 0 \$	-
	Grandfathered Charge Types		(53,012) \$	(1,010,030.04)	21,044 \$	552,720.05	(1) ¢	(2,000.00)	10,100 ¢	000,400.11	U \$	-	υş	-
54	DA Congestion Rebate on COGA	555.05	0 \$		0 \$		0 \$	-	0 \$	- 1	0 \$	-	0 \$	-
55	DA Losses Rebate on COGA	555.06	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
56 57	RT Congestion Rebate on COGA	555.22	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
57 58	RT Loss Rebate on COGA SUBTOTAL	555.23	0 \$	-	0 \$ 0 \$		0 \$ 0 \$		0 \$	-	0 \$		0 \$ 0 \$	-
50	GODIVIAL				U \$		υş	-	υφ	-		-	υş	-
59	TOTAL MISO DAY 2 CHARGES		(511,299) \$	(27,955,574.75)	295,511 \$	21,318,777.62	(1) \$	(9,468.57)	15,292 \$	688,075.50	0 \$	-	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(64,987.67)	\$	203.66							· •	
61 62	Congestion and Losses Adjustment		\$				1							
62	No DA generation sch., but still had output for current month		\$	(10,432.20)		l	1				1			

					Detail of MISO	il Power Company Day 2 Charges - Syst ncludes any adjustme									
	(4	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
				RET					D WHOLESALE				ASED WHOLESAL	E	
	Charge Type Description A	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenu	le
63 64 65 66 67	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%		\$ (2	28,004,229.37) \$	(6,685,655.41)	\$ 21,318,573.96									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED TR	RANSAC	TIONS												
68 69 70 71 72 73 74	NET MISO (Rev-Cost and MWh) Less: Fuel Cost Less: Misc Cost Adjustment Plus: Capacity Revenue Plus: Bilateral Sales Less: Bilateral Purchases Less: Schedule 24 for Asset Based Sales								\$ 15,022 \$ \$ \$	678,606.93 537,745.85 - 209.14				\$ \$ \$ \$ \$ \$	-
75 76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	140,651.94				\$	-
									·						

					Detail of MISO D	Power Company Day 2 Charges - Syst ncludes any adjustm								
		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K)		(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(512,106) \$		257,536 \$		0 \$	-	1,580 \$	78,919.08	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$		4,378 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
3	RT Asset Energy Amount RT Non-Asset Energy Amount	555.19 555.26	(25,436) \$ (3) \$		16,395 \$ 0 \$	627,482.29	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
4	SUBTOTAL	555.20		(108.76)	278.309 \$	9.089.531.81	0 \$		1.580 \$	78.919.08	0 \$		0 \$	-
	Day Ahead & Real Time Energy Loss		(001,040) \$	(11,003,113.20)	210,005 \$	3,003,001.01		_	1,000 \$	10,313.00		_	υψ	_
6	DA FBT Loss Amount	555.04	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$	(55,251.42)	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
8	RT FBT Loss Amount	555.21	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
9	DA Loss Amount		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
10 11	RT Loss Amount DA Losses Rebate on Option B GFA	555.08	0 \$	(21,860.35)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
12	SUBTOTAL	80.000	0 \$	(781,888.57)	0 \$	347,753.83	0 \$		0 \$		0 \$		0 \$	
12	Virtual Energy		υψ	(101,000.01)	υψ	547,755.05	ψ	_	0 0	_	υψ	_	υψ	
13	DA Virtual Energy Amount	555.12	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0\$	-	0 \$	-	0 \$	-
	Schedules 16 & 17	_												
16 17	DA Mkt Admin Amount	555.01	0 \$		0 \$		0 \$	(118.15)	0 \$	-	0 \$	-	0 \$	-
17 18	RT Mkt Admin Amount FTR Mkt Admin Amount	555.18 555.13	0 \$ 0 \$		0 \$ 0 \$		0 \$ 0 \$	(1,175.03)	0 \$ 0 \$	172.82	0 \$	-	0 \$ 0 \$	-
19	SUBTOTAL	555.15	0 \$	(77,492.79)	0 \$	308.66	0 \$	(1,293.18)	0 \$	172.82	0 \$		0 \$	
10	Congestion & FTRs		• •	(11,102.10)	• •	000.00	• •	(1,200110)	ů ţ		• •		• •	
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
21	DA Congestion		0 \$		0 \$	(2,041,913.59)	0 \$	-	0\$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
24 25	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	555.14 555.15	0 \$ 0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
25 26	FTR Yearly Allocation Amount	555.15	0\$		0 \$ 0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
20	FTR Monthly Transaction Amount	555.35	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0\$		0 \$		0\$	-	0\$	-	0 \$	-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
30 31 32 33 34	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$		0 \$	-	0\$	-	0\$	-	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	555.41 555.07	0 \$	-	0 \$	70,150.41	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34	SUBTOTAL	000.07	0 \$	(9,393,200.42)	0 \$	12,024,491.52	0 \$		0 \$	-	0 \$		0 \$	
00	RSG & Make Whole Payments		υ ψ	(3,333,200.42)	υψ	12,024,401.02		_	0 0	_		_	υψ	_
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(20,770.03)	0 \$	-	0 \$	(681.39)	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 \$		0 \$		0 \$	(1,397.05)	0 \$	219.13	0 \$	-	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0 \$		0 \$		0 \$	(218.44)	0 \$	24,599.28	0 \$	-	0 \$	-
40 41	RT Price Volatility Make Whole Payment SUBTOTAL	555.42	0 \$	(180.28) (63,537.78)	0 \$ 0 \$	38.648.85 45,900.01	0 \$ 0 \$	(5.87) (2,302.75)	0 \$	1,268.15 26,086.56	0 \$		0 \$	-
41	RNU & Misc Charges		U ֆ	(03,537.78)	0 \$	45,900.01	03	(2,302.75)	0 \$	20,000.30	0 \$		0 \$	-
42	RT Misc Amount	555.25	0 \$	(1,492.87)	0 \$	7,611.69	0 \$	-	0 \$	-	0 \$	-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0 \$	(35,400.57)	0\$		0\$	-	0\$	-	0\$	-	0\$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$	(58,431.39)	0\$		0 \$	(1,917.05)	0\$	3,776.69	0 \$	-	0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$	-	0 \$		0 \$	- '	0 \$	-	0 \$	-	0 \$	-
46 47	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
47	DA Ramp Product	555.63	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
48 49	RT Ramp Product RT Schedule 49 Cost Distribution Amount	555.64 555.65	0 \$	(176.13) (18.319.30)	0 \$	1,776.93	0 \$	-	0 \$	-	0 \$	-	0 \$	-
49 50	SUBTOTAL	000.000	0 \$		0 \$	148,950.61	0 \$	(1,917.05)	0 \$	3,776.69	0 \$	-	0 \$	-
	ASM Charges		- •	(• •	,		(.,	- •	2,			- ¥	
51 52	RT ASM Non-Excessive Energy Amount	555.55	(52,199) \$		32,391 \$		(510) \$	(32,737.07)	15,577 \$	380,532.16	0 \$	-	0 \$	-
52	RT ASM Excessive Energy Amount	555.56	(126) \$	(46.90)	318 \$	88.58	(157) \$	(2,177.87)	41 \$	-	0 \$	-	0 \$	-
53	SUBTOTAL		(52,325) \$	(1,754,359.75)	32,710 \$	391,160.60	(667) \$	(34,914.94)	15,618 \$	380,532.16	0\$	-	0\$	-
-	Grandfathered Charge Types DA Congestion Rebate on COGA	555.05	0 \$		~ ^		0 \$		<u> </u>				0 \$	
54 55	DA Congestion Rebate on COGA DA Losses Rebate on COGA	555.05 555.06	0\$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0\$	-
56	RT Congestion Rebate on COGA	555.06	0\$		0 \$		0 \$		0\$	-	0 \$	-	0 \$	-
57	RT Loss Rebate on COGA	555.23	0\$		0\$		0\$	-	0\$	_	0\$	-	0\$	-
58	SUBTOTAL		0\$		0\$		0\$		Ŭ \$		0\$	-	0\$	-
	TOTAL MISO DAY 2 CHARGES			(29,794,204.65)	311,018 \$		(667) \$	(40,427.92)	17,198 \$	489,487.31	0 \$	-	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(77,492.79)	\$	308.66	1							
61 62	Congestion and Losses Adjustment No DA generation sch., but still had output for current month		\$ \$											
02	no on generation sen, but sun nau output for culterit month		Ŷ	-		1	1			1	1			

					Detail of MIS	Tail Power Company O Day 2 Charges - Syst 22 includes any adjustm									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
					TAIL				ED WHOLESALE				BASED WHOLESA	LE	
_	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Rever	nue
63 64 65 66 67	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			\$ (29,784,052.65) \$	6 (7,736,264.27)	\$ 22,047,788.38									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED	TRANSA	CTIONS												
68 69 70 71 72	NET MISO (Rev-Cost and MWh) Less: Fuel Cost Less: Misc Cost Adjustment Plus: Capacity Revenue Plus: Bilateral Sales								\$ 13,989 \$ \$	449,059.39 369,385.82 -				\$ \$ \$	-
73 74 75 76	Less: Bilateral Purchases Less: Schedule 24 for Asset Based Sales TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	180.92 79.492.65				\$	-
70										73,432.03				Ŷ	

					Detail of MISO I	Power Company Day 2 Charges - Sys ncludes any adjustn	tem nents							
		(A)	(B)	(C)	(D)	(E)	(F)	(G) ASSET BASED	(H)	(I)	(J)	(K)		(M)
	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02	(649,978) \$		273,360 \$		0 \$	-	162 \$	4,976.52	0 \$	-	0 \$	-
2	DA Non-asset Energy Amount	555.09	0 \$		5,308 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
3 4	RT Asset Energy Amount	555.19	(36,615)	(1,940,670.98)	12,633 \$	583,755.69	0 \$	-	0 \$	-	0 \$	-	0 \$	-
4	RT Non-Asset Energy Amount SUBTOTAL	555.26	(686 593) \$	(32,248,374.04)	0 \$ 291.301 \$	12.764.597.26	0 \$		0 \$	4.976.52	0 \$		0 \$	-
	Day Ahead & Real Time Energy Loss		(000,555) \$	(32,240,374.04)	231,301 \$	12,704,397.20	U Ş	-	102 \$	4,370.32	U Ş	-	U Ą	-
6	DA FBT Loss Amount	555.04	0 \$	- 6	0 \$	-	0 \$	-	0 \$	- 1	0 \$	-	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$		0 \$	647,572.19	0 \$	-	0 \$	-	0 \$	-	0 \$	-
8	RT FBT Loss Amount	555.21	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
9	DA Loss Amount		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
10 11	RT Loss Amount DA Losses Rebate on Option B GFA	555.08	0 \$	(96,141.15)	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
11 12	SUBTOTAL	555.08	0 \$	(954,018.89)	0 \$	647,572.19	0 \$	-	0 \$		0 \$		0 \$	
12	Virtual Energy		υ ψ	(334,010.03)	υψ	047,072.10	ψ	-	0 0	-	υψ	-	ψ	-
13	DA Virtual Energy Amount	555.12	0 \$	- 6	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	· ·	0 \$	-	0 \$	-	0 \$	-	0 \$		0 \$	-
15	SUBTOTAL		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	Schedules 16 & 17													
16 17	DA Mkt Admin Amount	555.01	0\$		0 \$		0 \$	(14.91)	0 \$	-	0 \$	-	0 \$	-
17 18	RT Mkt Admin Amount FTR Mkt Admin Amount	555.18 555.13	0\$		0 \$ 0 \$		0 \$ 0 \$	(1,067.92)	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
18	SUBTOTAL	555.13	0 \$		0 \$		0 \$	(1,082.83)	0 \$	-	0 \$		0 \$	
15	Congestion & FTRs		υψ	(13,000.03)	υψ	410.55	ψ	(1,002.00)	U Ų		v v	_	ψ	-
20	DA FBT Congestion Amount	555.03	0 \$	-	0 \$	-	0 \$	-	0 \$	- 1	0 \$	-	0 \$	-
21	DA Congestion		0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
23	RT Congestion		0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
24	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	555.14 555.15	0\$		0 \$ 0 \$		0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$	-
25 26	FTR Yearly Allocation Amount	555.15 555.17	0\$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$ 0 \$	-
20	FTR Monthly Transaction Amount	555.35	0\$		0\$		0 \$	-	0\$	-	0 \$	-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0\$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	_
29	FTR Guarantee Uplift Amount	555.37	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
30 31	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		0 \$	7,779,289.85	0 \$	-	0\$	-	0 \$	-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$		0 \$		0 \$	-	0\$	-	0 \$	-	0 \$	-
32 33	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
33	FTR Auction Revenue Rights Stage 2 Distribution Amount	555.41 555.07	0 \$		0 \$	108,463.00	0 \$	-	0 \$	-	0 \$	-	0 \$	-
34 35	DA Congestion Rebate on Option B GFA SUBTOTAL	555.07	0 \$		0 \$ 0 \$	10,844,240.27	0 \$		0 \$	-	0 \$	-	0 \$ 0 \$	•
35	RSG & Make Whole Payments		U Ş	(0,012,725.57)	0 3	10,044,240.27	U ֆ		Uş	-	Uş		U Ş	
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0 \$	(24,353.36)	0 \$	2,488.99	0 \$	(772.26)	0 \$	78.93	0 \$	-	0 \$	-
36 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 \$		0 \$	856.07	0 \$	(2,858.69)	0\$	27.11	0 \$	-	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30	0\$		0 \$	-	0 \$	-	0\$	2,857,428.61	0 \$	-	0 \$	-
40	RT Price Volatility Make Whole Payment	555.42	0 \$	(0.34)	0 \$	123,462.04	0 \$	(0.01)	0 \$	3,915.91	0 \$	-	0 \$	-
41	SUBTOTAL RNU & Misc Charges		0 \$	(114,496.89)	0 \$	134,671.47	0 \$	(3,630.96)	0 \$	2,861,450.56	0 \$	-	0 \$	-
42	RT Misc Amount	555.25	0 \$	(20,307.27)	0 \$	8,718.70	0 \$	-	0 \$	_ 1	0 \$		0 \$	_
42	RT Net Inadvertent Amount	555.27	0\$		0\$		0 \$	-	0\$	-	0\$	-	0\$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$		0 \$		0 \$	(8,890.14)	0\$	18,849.17	0 \$	-	0\$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$		0 \$	-	0 \$		0 \$	-	0 \$	-	0 \$	-
46 47	RT Demand Response Allocation Uplift Amount	555.59	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
47	DA Ramp Product	555.63	0 \$		0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-
48 49	RT Ramp Product RT Schedule 49 Cost Distribution Amount	555.64 555.65	0\$	(36.56) (20,221.83)	0\$	2,980.94	0 \$	-	0 \$ 0 \$	-	0 \$	-	0 \$ 0 \$	-
49 50	SUBTOTAL	50.555	0 \$	(389,787.31)	0 \$	636,587.25	0 \$	(8,890.14)	0 \$	18,849.17	0 \$		0 \$	
50	ASM Charges		νφ	(000,101.01)	v 4	000,001.20		(0,000.14)	υψ	,070.17	~ ~		νφ	~
51	RT ASM Non-Excessive Energy Amount	555.55	(75,849) \$	(2,456,747.38)	26,727 \$	898,959.35	0 \$	(20,263.70)	14,290 \$	1,214,764.66	0 \$	-	0 \$	-
51 52	RT ASM Excessive Energy Amount	555.56	0 \$	(464.27)	562 \$	35.73	0 \$	-	91 \$	4,459.05	0 \$		0 \$	-
53	SUBTOTAL		(75,849) \$	(2,457,211.65)	27,289 \$	898,995.08	0 \$	(20,263.70)	14,381 \$	1,219,223.71	0\$	-	0\$	-
	Grandfathered Charge Types								~ ^					
54 55	DA Congestion Rebate on COGA DA Losses Rebate on COGA	555.05 555.06	0\$		0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-	0 \$ 0 \$	-
55 56	DA Losses Rebate on COGA RT Congestion Rebate on COGA	555.06 555.22	0\$		0 \$		0 \$	-	0\$		0 \$		0 \$	-
57	RT Loss Rebate on COGA	555.23	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
58	SUBTOTAL	300.20	0 \$		0 \$	-	0 \$	-	0 \$	-	0 \$	-	0 \$	-
	TOTAL MISO DAY 2 CHARGES			(44,855,614.44)	318,590 \$		0 \$	(33,867.63)	14,544 \$	4,104,499.96	0 \$	-	0 \$	-
60	Less Schedule 16 & 17 (Lines 16, 17, 18)		\$	(,,	\$	418.95								
61 62	Congestion and Losses Adjustment		\$											
02	No DA generation sch., but still had output for current month		\$	-			1				1			

					Detail of MIS	Tail Power Company SO Day 2 Charges - Sysi 22 includes any adjustm									
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	()	M)
					RETAIL			ASSET BASE	ED WHOLESALE			NON ASSET E	BASED WHOLESA	LE	
_	Charge Type Description	Acct	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Rev	enue
	Total for MN Energy Adjustment Rider Net Retail for MN Energy Adjustment Rider Retail MWh include losses of 2.8%			\$ (44,832,175.00)	\$ (18,905,511.48	\$ 25,926,663.52)									
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED T	TRANSAG	CTIONS												
68	NET MISO (Rev-Cost and MWh)								\$	4,070,632.33				\$	-
69	Less: Fuel Cost								14,543 \$	1,251,840.49				•	
70	Less: Misc Cost Adjustment								\$	-				\$	-
71 72	Plus: Capacity Revenue Plus: Bilateral Sales													\$	-
73	Less: Bilateral Purchases													ç	
74	Less: Schedule 24 for Asset Based Sales								\$	195.82				ŝ	_
75							1		•	100102				•	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE								\$	2,818,596.02				\$	-

					Detail of MISO Da	ower Company y 2 Charges - System cludes any adjustme								
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Charge Type Description	Acct	MWh	Cost	ETAIL MWh	Revenue	MWh	ASSET BASED Cost	MWh MWh	Revenue	MWh	NON ASSET B	ASED WHOLESAL MWh	E Revenue
No.	Day Ahead & Real Time Energy													
1	DA Asset Energy Amount	555.02		(253,555,227.76)		\$ 157,743,394.28	0 \$	-	58,218 \$	4,050,734.67		\$-	0\$	-
2	DA Non-asset Energy Amount	555.09	0 \$			\$ 2,694,757.63	0 \$	-	0 \$	-	0		0 \$	-
3	RT Asset Energy Amount	555.19	(238,533) \$			\$ 13,057,801.06	0 \$	-	0 \$	-	0		0 \$	-
4	RT Non-Asset Energy Amount SUBTOTAL	555.26	(108) \$	(6,092.74) (262,182,493.64)	3 926 913	\$ 6.20 \$ 173,495,959.17	0 \$ 0 \$		0 \$ 58.218 \$	4,050,734.67	0	Ŷ	0 \$	-
5	Day Ahead & Real Time Energy Loss		(0,034,311) \$	(202,102,433.04)	3,320,013	\$ 173,493,939.17	~ ~		J0 , 2 10 φ	4,030,734.07	v	φ -	υş	-
6	DA FBT Loss Amount	555.04	0\$	-	0	s -	0 \$	-	0 \$	-	0	s -	0 \$	-
7	RT Distribution of Losses Amount	555.24	0 \$			\$ 5,700,665.13	0 \$	-	0 \$	-	0	\$ -	0 \$	-
8	RT FBT Loss Amount	555.21	0\$			\$-	0 \$	-	0\$	-		\$-	0 \$	-
9	DA Loss Amount		0 \$			\$ -	0 \$	-	0\$	-		\$ -	0 \$	-
10	RT Loss Amount		0 \$	(607,648.67)	0		0 \$	-	0 \$	-	0		0 \$	-
11 12	DA Losses Rebate on Option B GFA SUBTOTAL	555.08		(14,350,305.66)	0	Ψ.	0 \$		0 \$	-	0	Ψ	0 \$	
12	Virtual Energy		ů v v	(14,000,000.00)	v	\$ 5,700,000.10	* *	_	ΨΨ	_	v	Ψ -	ΨΨ	_
13	DA Virtual Energy Amount	555.12	0 \$	-	0	s -	0 \$	-	0 \$	-	0	s -	0 \$	-
14	RT Virtual Energy Amount	555.32	0 \$	-	0	\$ -	0 \$	-	0 \$	-	0	\$-	0 \$	-
15	SUBTOTAL		0 \$	-	0	ş -	0 \$	-	0 \$	-	0	\$-	0\$	-
40	Schedules 16 & 17	EEC 04	^ ^	(705 044 40)	~	¢	0.0	(4 700 00)	o *		0	¢	~ ~	
16 17	DA Mkt Admin Amount RT Mkt Admin Amount	555.01 555.18	0 \$ 0 \$		0 0		0 \$ 0 \$	(4,722.06) (18,713.16)	0 \$ 0 \$	- 212.56	0		0 \$ 0 \$	-
18	FTR Mkt Admin Amount	555.13	0 \$		0	,	0 \$	(10,713.10)	0 \$	212.50	0		0 \$	-
19	SUBTOTAL	000.10	0\$		0		0 \$	(23,435.22)	0 \$	212.56	Ő	Ψ	0 \$	-
	Congestion & FTRs													
20	DA FBT Congestion Amount	555.03	0\$		0		0\$	-	0\$	-	0		0\$	-
21	DA Congestion		0 \$		0		0 \$	-	0\$	-	0		0 \$	-
22	RT FBT Congestion Amount	555.20	0 \$		0		0 \$	-	0 \$	-	0	+	0 \$	-
23	RT Congestion		0 \$		0		0 \$	-	0 \$	-	ů.	\$ -	0 \$	-
24 25	FTR Hourly Allocation Amount FTR Monthly Allocation Amount	555.14 555.15	0 \$	(0,00.,000)		\$ 64,385,377.69 \$ 1,304,434.52	0 \$	-	0 \$	-	0	\$-	0 \$	-
25	FTR Yearly Allocation Amount	555.15	0\$			\$ 1,304,434.52 \$ 531,221.25	0 \$	-	0 \$	-	0	φ - \$ -	0 \$	-
27	FTR Monthly Transaction Amount	555.35	0\$			\$ -	0 \$	-	0 \$	-	0	φ \$-	0 \$	-
28	FTR Full Funding Guarantee Amount	555.36	0 \$		-	\$ 1,145,223.06	0 \$		0\$	-	ő	\$-	0 \$	-
29	FTR Guarantee Uplift Amount	555.37	0 \$	(1,145,223.06)	0	\$ 1,861,409.20	0 \$	-	0 \$	-	0	\$ -	0 \$	-
30	FTR Auction Revenue Rights Transaction Amount	555.39	0 \$		-	\$ 62,018,646.55	0 \$	-	0 \$	-	0	\$-	0 \$	-
31	FTR Annual Transaction Amount	555.38	0 \$		0		0 \$	-	0\$	-	•	\$ -	0 \$	-
32	FTR Auction Revenue Rights Infeasible Uplift Amount	555.40	0 \$		0		0 \$	-	0 \$	-	0		0 \$	-
33 34	FTR Auction Revenue Rights Stage 2 Distribution Amount DA Congestion Rebate on Option B GFA	555.41 555.07	0 \$	(549.09)	0	\$ 989,208.14	0 \$ 0 \$	-	0 \$ 0 \$	-	0		0 \$ 0 \$	-
35	SUBTOTAL	555.07	0\$	(78,295,016.61)	0	\$ 103,364,093.14	0 \$		0 \$	•	0		0 \$	-
	RSG & Make Whole Payments			(., .,,			1							
36	DA Revenue Sufficiency Guarantee Distribution Amount	555.10	0\$	(224,480.43)	0	\$ 2,496.90	0 \$	(11,073.91)	0 \$	79.26	0	\$-	0 \$	-
37	DA Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.11	0 \$		0		0 \$	-	0\$	70,910.89	0		0 \$	-
38	RT Revenue Sufficiency Guarantee First Pass Distribution Amount	555.29	0 \$		0		0 \$	(31,626.61)	0 \$	1,614.21		\$ -	0 \$	-
39	RT Revenue Sufficiency Guarantee Make Whole Pymt Amount	555.30 555.42	0 \$	(204.29)		\$- \$735.659.67	0 \$	(226.77)	0 \$	4,477,039.25	-	\$ -	0 \$	-
40 41	RT Price Volatility Make Whole Payment SUBTOTAL	555.42	0 \$		0		0 \$ 0 \$	(6.78)	0 \$	40,140.05 4,589,783.66	0	ծ - Տ -	0 \$ 0 \$	
	RNU & Misc Charges		, , , , , , , , , , , , , , , , , , ,	(000,100.00)	U	÷ 001,021.30	γŸ	(+2,004.07)	V 4	.,000,100.00		¥ -	~ 4	-
42	RT Misc Amount	555.25	0 \$	(150,159.72)	0	\$ 26,955.38	0 \$	-	0 \$	-	0	\$-	0 \$	-
43	RT Net Inadvertent Amount	555.27	0\$	(335,974.54)	0	\$ 265,792.63	0 \$	-	0 \$	-	0	\$ -	0 \$	-
44	RT Revenue Neutrality Uplift Amount	555.28	0 \$		0		0 \$	(83,902.56)	0 \$	39,292.35	0	+	0 \$	-
45	RT Uninstructed Deviation Amount	555.31	0 \$		0		0 \$	-	0 \$	-	0	+	0 \$	-
46 47	RT Demand Response Allocation Uplift Amount	555.59 555.63	0 \$		0		0 \$ 0 \$	-	0 \$	-	0	Ψ	0 \$ 0 \$	-
47 48	DA Ramp Product RT Ramp Product	555.63 555.64	0\$			\$ 42,843.34 \$ 23,474.02	0 \$ 0 \$	-	0\$	-	0	+	0 \$ 0 \$	-
48 49	RT Schedule 49 Cost Distribution Amount	555.65	0 \$	(186,021.47)	0	\$ 23,474.02 \$ 31.96	0 \$	-	0 \$ 0 \$	-	0	• - \$ -	0 \$	
50	SUBTOTAL	330.00	0\$		0		0 \$	(83,902.56)	0 \$	39,292.35	0	\$ -	0 \$	-
	ASM Charges													
51	RT ASM Non-Excessive Energy Amount	555.55		(19,712,666.11)	242,306		(7,775) \$	(508,080.34)	215,863 \$	9,640,608.19	0		0 \$	-
52 53	RT ASM Excessive Energy Amount SUBTOTAL	555.56	(517) \$ (562.071) \$		2,268 244.574	\$ 4,379.50 \$ 5.774.890.85	(157) \$ (7.932) \$	(3,624.81) (511.705.15)	371 \$ 216.234 \$	7,251.81 9.647.860.00	0		0 \$ 0 \$	-
53	SUBTOTAL Grandfathered Charge Types		(302,071) \$	(19,745,064.03)	244,574	ə <u>ə</u> ,//4,890.85	(7,932) \$	(511,705.15)	210,234 \$	9,047,860.00	U	ф -	υ\$	-
54	DA Congestion Rebate on COGA	555.05	0 \$		0	s -	0 \$	-	0 \$	-	0	\$ -	0 \$	-
55	DA Losses Rebate on COGA	555.06	0\$		0		0\$	-	0\$	-	0		0\$	-
56	RT Congestion Rebate on COGA	555.22	0 \$		0	\$ -	0 \$	-	0\$	-	0		0\$	-
57	RT Loss Rebate on COGA	555.23	0 \$	-	0		0 \$	-	0 \$	-	0		0 \$	-
58	SUBTOTAL		0 \$	-	0	ş -	0 \$	-	0\$	-	0	\$-	0\$	-
50	TOTAL MISO DAY 2 CHARGES		(6 647 049) *	(379,240,994.42)	4 474 207	\$ 290,614,835.99	(7,932) \$	(661 077 00)	274 452	18,327,883.24	0	¢	0 \$	
28	TOTAL MIGO DAT 2 GRANGED		(0,017,048) \$	(5/ 3,240,994.42)	4,1/1,38/	¢ 290,014,833.99	(1,932) \$	(001,977.00)	214,492 \$	10,321,883.24	U	ч -	υ \$	-

ſ					Ŷ	Detail of MISO	Day 2	er Company Charges - System des any adjustme									
		(A)	(B)		(C)	(D)		(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M	1)
						TAIL					ED WHOLESAL	.E		NON ASSET B		SALE	
	Charge Type Description	Acct	MWh		Cost	MWh		Revenue	MWh	Cost	MWh	Revenue	MWh	Cost	MWh	Reve	nue
60	Less Schedule 16 & 17 (Lines 16, 17, 18)			\$	(868,948.45)		\$	5,803.23									
61	Congestion and Losses Adjustment			\$	563,234.57												
62	No DA generation sch., but still had output for current month			\$	(100,535.43)												
63 64																	
64																	
65	Total for MN Energy Adjustment Rider			\$ (37	78,834,745.12)			90,609,032.76									
66	Net Retail for MN Energy Adjustment Rider				ş	(88,225,712.3	6)										
67 1	Retail MWh include losses of 2.8%																
	ADDITIONAL REVENUE AND COSTS OF ASSET BASED AND NON ASSET BASED		TIONS						Г				ГТ — — — — — — — — — — — — — — — — — — —				
68	NET MISO (Rev-Cost and MWh)											\$ 17,665,906.24				\$	
69	Less: Fuel Cost											\$ 12,303,306.97				÷	
70	Less: Misc Cost Adjustment											\$ -				\$	-
71	Plus: Capacity Revenue															\$	-
72	Plus: Bilateral Sales															\$	-
73	Less: Bilateral Purchases															\$	-
74	Less: Schedule 24 for Asset Based Sales										:	\$ 3,594.36				\$	-
75																	
76	TOTAL ASSET or NON ASSET BASED WHOLESALE											\$ 5,359,004.91				\$	-
.																	

	Detail of Southwes			PP) Charges by 2022 includes (Revenue) Ex	any adj		Current Month - Sy	stem		
		(A)		(B)		(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	R	etail Debits	Retai	Credits	Adjustments	Net Retail	MWH for Retail	
	ay Ahead & Real Time Asset & Non Asset Energy & Loss									
1	DA Asset Energy Amount	555.19	\$		\$			-	-	-
2	DA Non-asset Energy Amount	555.03	\$		\$		Ŷ	-	-	-
3	RT Asset Energy Amount	555.09	\$		\$		\$ (7,518.51)	\$ (7,518.51)	-	-
4	RT Non-Asset Energy Amount TOTAL	555.00	\$ \$		\$ \$		<u>-</u> \$ (7,518.51)	∍ - \$ (7,518.51)	-	<u> </u>
	SG & Make Whole Payments		φ	-	φ		φ (7,510.51) ·	¢ (7,510.51)	-	<u> </u>
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$		\$ - 3	- 8		-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$		φ \$		\$ (113.96)	*	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$		\$ \$		\$ (113.30) \$ - 3	5 -	-	-
9	TOTAL		\$		\$		\$ (113.96)	6 (113.96)	-	-
F	evenue Neutrality Uplift	_				_	<u>, </u> ,	· /		
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	-	\$	-	\$ (90.36)	\$ (90.36)	-	-
11	TOTAL		\$	-	\$	- :	\$ (90.36)	\$ (90.36)	-	-
C	ther Charges									
12	DA Regulation-Down Distribution Amount	555.04	\$		\$		\$ (12.15) \$		-	-
13	DA Regulation-Up Distribution Amount	555.05	\$		\$		\$ (20.50)		-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$		\$		\$ (36.11)		-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$		\$		\$ (2.53)		-	-
16 17	RT Contingency Reserve Deployment Failure Amount	555.08	\$		\$			\$	-	-
17	RT Over-Collected Losses Distribution Amount RT Regulation-Down Distribution Amount	555.11	\$ \$		\$ (\$		\$ (24.28) \$ 0.65		-	-
19	RT Regulation Non-Performance Distribution Amount	555.12 555.13	ъ \$		э \$		\$		-	-
20	RT Regulation-Up Distribution Amount	555.13	э \$		э \$		\$ 3.22 \$ 20.54		-	-
20	RT Spinning Reserve Distribution Amount	555.16	\$		φ \$		\$			
22	RT Supplemental Reserve Distribution Amount	555.17	\$		\$ \$		\$ (4.10)		-	_
23	RT Pseudo Tie Congestion Amount	555.20	\$				\$ (6,797.13)		-	-
24	RT Pseudo Tie Loss Amount	555.21	\$			15,400.75)			-	-
25	Miscellaneous Amount	555.23	\$	14.59	\$		\$ (46.95)	\$ (32.36)	-	-
26	ARR Closeout Yearly Amount	555.26	\$	-	\$	- :	\$ - 3	ş -	-	-
27	RT Demand Reduction Distribution Amount	555.28	\$		\$	- :	\$	÷ -	-	-
28	RT Schedule 1A3 Amount	555.29	\$	-	\$	- :	\$ (3.31) \$		-	-
29	RT Schedule 1A4 Amount	555.30	\$	-	\$	-	\$ (16.84)		-	
30	TOTAL		\$	266,924.18	\$ (2	70,307.39)	\$ (7,123.98)	\$ (10,507.19)	-	
	irandfathered Charge Types		¢		^		A	h		
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$		\$		\$ (11.48)		-	-
32 33	DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount	555.22 555.27	\$ \$		\$ \$	-	\$ 0.51	§ 0.51	-	-
33	TOTAL	000.27	\$ \$		<u>ֆ</u>	-	\$	∍ - \$ (10.97)	-	<u> </u>
			Ŷ		¥		+ (10.07)	(10.37)	÷	
35	TOTAL SPP CHARGES		\$	266,924.18	\$ (2	70,307.39)	\$ (14,857.78)	\$ (18,240.99)	-	-
36 37	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ (18,240.99)	*	* (F) and (G) increase	d for losses of 2 9%	-
38	January 2022 covers time period of 12/27/2021 - 1/23/2022			Net Retail	Net S	РР КШН		(i) and (G) increase	101 103565 01 2.0%	
39	SPP Book Totals		\$	(3,383.21)		-				
40	Adjustments		\$	(14,857.78)		-				
41	Total SPP		Š	(18,240.99)		-				

	Detail of Southwes		ool (S	Otter Tail Power SPP) Charges by ry 2022 includes (Revenue) E	y Chai s any a	rge Group for adjustments	Current Month -	Sys	stem		
		(A)		(B)		(C)	(D) Retail		(E)	(F) and (G)** Charge types with	ı
	Charge Type Description	Acct	I	Retail Debits	Ret	ail Credits	Adjustments		Net Retail	MWH for Retail	
lo. I	Day Ahead & Real Time Asset & Non Asset Energy & Loss										
1	DA Asset Energy Amount	555.19	\$	-	\$		\$-	\$		-	-
2	DA Non-asset Energy Amount	555.03	\$	-	\$	-	\$-	\$		-	-
3	RT Asset Energy Amount	555.09	\$	128.34	\$	-	\$-	\$	128.34	2	-
4	RT Non-Asset Energy Amount	555.00	\$	-	\$		\$-	\$		-	-
5	TOTAL		\$	128.34	\$	-	\$-	\$	128.34	2	-
	RSG & Make Whole Payments										
6	DA Make-Whole-Payment Distribution Amount	555.02	\$	-	\$		\$-	\$		-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	1.26	\$	-	\$-	\$	1.26	-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$		\$	-	5 -	\$	-	-	
9	TOTAL		\$	1.26	\$	-	<u> </u>	\$	1.26	•	
	Revenue Neutrality Uplift						*				
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	2.05			<u>\$</u> -	\$	2100	-	
11	TOTAL		\$	2.05	\$	•	\$-	\$	2.05	•	
	Other Charges		-	A 11	•		^				
12	DA Regulation-Down Distribution Amount	555.04	\$		\$		\$-	\$		-	-
13	DA Regulation-Up Distribution Amount	555.05	\$		\$		\$-	\$		-	-
14	DA Spinning Reserve Distribution Amount	555.06	\$		\$		\$ -	\$		-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$	-	\$		\$ -	\$		-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$		\$ -	\$		-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$		\$ (52.56			-	-
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 23	RT Supplemental Reserve Distribution Amount	555.17	\$	-	\$		\$- \$-	\$		-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$			()	+	\$		-	-
24	RT Pseudo Tie Loss Amount	555.21	\$	6,832.86	\$	(==,=,	\$ -	\$		-	-
25	Miscellaneous Amount	555.23	\$	-	\$	()	\$-	\$		-	-
26	ARR Closeout Yearly Amount	555.26	\$	-	\$		\$ -	\$		-	-
27 28	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	555.28	\$ \$	-	\$ \$		\$- \$-	\$ \$		-	-
28 29		555.29				-	ው - ድ	\$ \$		-	-
29 30	RT Schedule 1A4 Amount TOTAL	555.30	\$ \$		\$ \$	- (232,517.32)	<u> </u>				
••	Grandfathered Charge Types		φ	233,001.00	φ	(232,311.32)	ψ (52.50	<i>י</i> ,	1,031.10		
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	0.01	\$	(0.09)	\$-	\$	(0.08)		
31 32	DA GFA Carve Out Distribution Deployment Daily Amount DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	ф \$	0.01	ъ \$		э - \$-	э \$		-	-
33	DA GFA Carve Out Distribution Deployment Monthly Amount	555.27	э \$	-	φ \$		э - \$-	э \$		-	-
34	TOTAL	555.21	\$	0.01	\$	(0.09)	Ψ	\$		-	-
35	TOTAL SPP CHARGES		\$	233,732.72	\$	(232,517.41)	\$ (52.56	5) \$	1,162.75	2	-
36 37	Net SPP Charges for Retail = $(B) + (C) + (D)$ Net KWH for retail = $((F) + (G)) * 1,000$				\$	1,162.75		**	(F) and (G) increased	for losses of 2.8%	2,28
38 39	February 2022 covers time period of 1/24/2022 - 2/20/2022 SPP Book Totals		\$	Net Retail 1,215.31	Net	2,282					
39 40	Adjustments		ъ \$	(52.56)		2,202					
40 41	Total SPP		ֆ \$	1,162.75		2,282					
+1			ą	1,102.75		2,202					

2			(Revenue)	Expen	djustments se				
2		(A)	(B)		(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
2	Charge Type Description	Acct	Retail Debits	Re	tail Credits	Adjustments	Net Retail	MWH for Retail	
2	ay Ahead & Real Time Asset & Non Asset Energy & Loss								
	DA Asset Energy Amount	555.19	\$-	\$		\$-\$	-	-	
	DA Non-asset Energy Amount	555.03	\$-	\$		\$-\$	-	-	
3	RT Asset Energy Amount	555.09	\$-	\$		\$ (7.20) \$	(7.20)	-	
	RT Non-Asset Energy Amount	555.00	<u>\$</u> -	\$		<u>\$</u> -\$	-	-	
;			\$-	\$	-	\$ (7.20) \$	(7.20)	· .	_
	SG & Make Whole Payments	555.00	¢	¢		¢ (*			_
6 7	DA Make-Whole-Payment Distribution Amount	555.02	\$- \$-	\$ \$		\$-\$ \$0.04\$	-	-	
3	RT Make-Whole-Payment Distribution Amount RT Revenue Sufficiency Guarantee Distribution Amount	555.10 555.18	\$- \$-	\$ \$		\$	0.04	-	
)	TOTAL	555.10	5 - \$ -	\$		5 <u>-</u> \$0.04 \$	0.04		
	evenue Neutrality Uplift		• -	Ψ		φ 0.04 φ	0.07	-	
0	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$-	\$	-	\$ (0.11) \$	(0.11)	-	
1	TOTAL	555.15	ہے۔ 25 -	\$		\$ (0.11) \$		-	
	ther Charges	_				τ (0.11) ψ	(0.1.1)		
2	DA Regulation-Down Distribution Amount	555.04	\$-	\$	-	\$-\$		-	_
3	DA Regulation-Down Distribution Amount	555.05	\$- \$-	\$		\$ (0.03) \$	(0.03)	-	
4	DA Spinning Reserve Distribution Amount	555.06	\$-	\$		\$ (0.02) \$		-	
5	DA Supplemental Reserve Distribution Amount	555.07	\$-	\$		\$-\$		-	
6	RT Contingency Reserve Deployment Failure Amount	555.08	\$-	\$	-	\$-\$	-	-	
7	RT Over-Collected Losses Distribution Amount	555.11	\$-	\$	(17,537.40)	\$ (298.48) \$	(17,835.88)	-	
8	RT Regulation-Down Distribution Amount	555.12	\$-	\$		\$-\$	-	-	
9	RT Regulation Non-Performance Distribution Amount	555.13	\$-	\$	- :	\$-\$	-	-	
0	RT Regulation-Up Distribution Amount	555.14	\$-	\$	-	\$-\$	-	-	
1	RT Spinning Reserve Distribution Amount	555.16	\$-	\$		\$-\$	-	-	
2	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$		\$-\$	-	-	
3	RT Pseudo Tie Congestion Amount	555.20	\$ 45,798.25		()	\$ 23.09 \$		-	
4	RT Pseudo Tie Loss Amount	555.21	\$ 7,013.08			\$ 1.35 \$		-	
5	Miscellaneous Amount	555.23	\$-	\$		\$-\$		-	
6	ARR Closeout Yearly Amount	555.26	\$-	\$		\$-\$	-	-	
7 8	RT Demand Reduction Distribution Amount	555.28	\$ -	\$		\$-\$	-	-	
8 9	RT Schedule 1A3 Amount RT Schedule 1A4 Amount	555.29 555.30	\$- \$-	\$ \$	-	\$	()	-	
9	TOTAL	555.30	\$		(353,504.90)	\$ (0.02) \$ \$ (274.12) \$			
	randfathered Charge Types		\$ 52,011.55	, ф	(333,304.90)	ə (274.12) ə	(300,907.09)	-	_
1	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$-	\$		\$ - \$			
2	DA GFA Carve Out Distribution Deployment Daily Amount	555.22	у - \$-	э \$		9 - 9 \$ - \$	-	-	
3	DA GFA Carve Out Distribution Deployment Monthly Amount	555.27	ş - \$ -	\$		φ - φ \$-\$	-	-	
4	TOTAL	500.27	\$ -	\$		\$-\$	-	-	
	TOTAL SPP CHARGES		\$ 52,811.33	\$	(353,504.90)	\$ (281.39) \$	(300,974.96)	-	_
5 6 7	$\label{eq:total_total_total} \begin{tabular}{lllllllllllllllllllllllllllllllllll$		\$ 52,811.33	\$	(353,504.90) (300,974.96)		(300,974.96) (F) and (G) increased	- d for losses of 2.8%	
3	March 2022 covers time period of 2/21/2022 - 3/23/2022 SPP Book Totals		Net Retail \$ (300,693.57		t SPP KWH				
9	Adjustments		\$ (300,693.57)		-				
1	Total SPP		\$ (300,974.96						

	Detail of Southwes		ool (S	Otter Tail Power SPP) Charges by 2022 includes ar (Revenue) Ex	Charge Group	for (Current Month - Sy	stem		
		(A)		(B)	(C)		(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	F	Retail Debits	Retail Credits		Adjustments	Net Retail	MWH for Retail	
lo. [Day Ahead & Real Time Asset & Non Asset Energy & Loss									
1	DA Asset Energy Amount	555.19	\$		\$-	\$			-	-
2	DA Non-asset Energy Amount	555.03	\$		\$-	9			-	-
3	RT Asset Energy Amount	555.09	\$		\$-	9	, , , , , , , , , , , , , , , , , , ,		-	-
4	RT Non-Asset Energy Amount	555.00	\$		<u> </u>	9			-	
5	TOTAL RSG & Make Whole Payments		\$	-	\$-	\$	5 - 9	5 -	•	_
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$ -	9	5 - 9	`		
о 7	RT Make-Whole-Payment Distribution Amount	555.10	ъ \$		արաներություն։ արհերությություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերություն։ արհերությություն։ արհերություն։ աստություն։ աստությություն։ աստություն։ աստությություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ աստություն։ ասություն։ ասուսուսուսուուն։ ասուսուսուսուն։ ասուսուուն։ ա	د 9			-	-
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.10 555.18	ծ Տ		ծ - Տ -	1			-	-
9	TOTAL	333.10	\$		<u>թ</u>					
-	Revenue Neutrality Uplift		Ŧ		▼	-		·		
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$		\$ -	9	- 9	; -		
11	TOTAL	000.10	\$		\$ <u>-</u>	9		•		
	Other Charges				•					
12	DA Regulation-Down Distribution Amount	555.04	\$	-	\$-	9	5 - 9			
13	DA Regulation-Up Distribution Amount	555.05	Š		\$-	9			-	
14	DA Spinning Reserve Distribution Amount	555.06	\$	-	÷ \$-	9			-	-
15	DA Supplemental Reserve Distribution Amount	555.07	\$	-	\$-	ġ	- 9	-	-	-
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$	-	\$-	9	- 9	. -	-	-
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$ (16,862.64	4) \$	5 179.10 \$	6 (16,683.54)	-	-
18	RT Regulation-Down Distribution Amount	555.12	\$	-	\$-	9	- 9	- ·	-	-
19	RT Regulation Non-Performance Distribution Amount	555.13	\$	-	\$-	9	- 9	- ·	-	-
20	RT Regulation-Up Distribution Amount	555.14	\$		\$-	\$, , , , , , , , , , , , , , , , , , ,		-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$		\$-	9			-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$		\$-	9	, , , , , , , , , , , , , , , , , , ,		-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$		\$ (299,786.53				-	-
24	RT Pseudo Tie Loss Amount	555.21	\$		\$ (27,737.37				-	-
25	Miscellaneous Amount	555.23	\$		\$-	9	, , , , , , , , , , , , , , , , , , ,		-	-
26 27	ARR Closeout Yearly Amount	555.26	\$		\$- \$-	9	, , , , , , , , , , , , , , , , , , ,		-	-
27 28	RT Demand Reduction Distribution Amount RT Schedule 1A3 Amount	555.28	\$ \$		» - Տ -	4			-	-
28 29	RT Schedule 1A4 Amount	555.29 555.30	э \$		арана Барана Барана С	4	· · · ·	-	-	-
30	TOTAL	555.50	\$		<u>۔</u> \$ (344,386.54	4) \$	177.33			
	Grandfathered Charge Types		Ψ	42,003.23	φ (344,300.3	, , ,	, 111.55 4	(302,113.32)		_
31	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$		\$-	9	5 - 9		_	-
32	DA GFA Carve Out Distribution Deployment Daily Amount	555.22	э \$		арана арала -	4			-	
33	DA GFA Carve Out Distribution Deployment Vearly Amount	555.27	\$	-	\$- \$-	4			-	
34	TOTAL	500.27	\$	-	\$-	\$				
35	TOTAL SPP CHARGES		\$	42,089.29	\$ (344,386.54	4) \$	5 177.33	6 (302,119.92)	-	-
36 37	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G))^* 1,000$				\$ (302,119.92	2)	•••	(F) and (C) in ar	for losses of 2 90/	
38	April 2022 covers time period of 3/24/2022 - 4/21/2022			Net Retail	Net SPP KWH			(F) and (G) increased	1 101 105565 0I 2.0%	
39	SPP Book Totals		\$	(302,297.25)	-					
40	Adjustments		\$	177.33	-					
41	Total SPP		\$	(302,119.92)	-					

	Detail of Southwe		ool (S	tter Tail Power PP) Charges by 022 includes au (Revenue) Et	y Cha ny ad	irge Group for justments	Current Month - Sy	stem		
		(A)	_	(B)	_	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	ı
	Charge Type Description	Acct	R	etail Debits	Re	tail Credits	Adjustments	Net Retail	MWH for Retail	
_	Day Ahead & Real Time Asset & Non Asset Energy & Loss	555.40			<u>_</u>		^	<u>,</u>		
1	DA Asset Energy Amount	555.19	\$	-	\$ \$		\$- \$	-		-
2	DA Non-asset Energy Amount	555.03	\$	-			\$-\$			
3	RT Asset Energy Amount	555.09	\$ \$	16,379.21	\$	(161.62)	\$- \$-		368	(52
4 5	RT Non-Asset Energy Amount TOTAL	555.00	\$ \$	16,379.21	\$ \$	(161.62)		5 16.217.59	368	(52
	RSG & Make Whole Payments		φ	10,379.21	φ	(101.02)	ə	5 10,217.39	300	(32
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$		\$ - 5	-		
7	RT Make-Whole-Payment Distribution Amount	555.10	s S	- 907.48	s S		s - 5		•	
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	ŝ	507.40	¢ ¢		s - 5			
9	TOTAL	000.10	\$	907.48	\$	-	Ψ (907.48		,
	Revenue Neutrality Uplift		÷		÷		• · · ·	,		
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	593.00	\$		\$	593.00		-
11	TOTAL	555.15	\$		\$			593.00		
	Other Charges			000.00	Ψ	<u>`</u>	Ψ	000.00		
12	DA Regulation-Down Distribution Amount	555.04	\$	47.56	\$		\$ - \$	47.56		
13	DA Regulation-Down Distribution Amount	555.05	\$		\$ \$		φ \$			
14	DA Spinning Reserve Distribution Amount	555.06	Š		\$		\$-3			
15	DA Supplemental Reserve Distribution Amount	555.07	ŝ		\$		\$- <u>\$</u>			
16	RT Contingency Reserve Deployment Failure Amount	555.08	Š	-	\$		\$-3			
17	RT Over-Collected Losses Distribution Amount	555.11	\$	-	\$		\$ (67.39) \$			
18	RT Regulation-Down Distribution Amount	555.12	Š	10.07	ŝ		\$ - \$			
19	RT Regulation Non-Performance Distribution Amount	555.13	Š	-	\$		\$- \$			
20	RT Regulation-Up Distribution Amount	555.14	Š	-	ŝ	(3.95)			-	
21	RT Spinning Reserve Distribution Amount	555.16	\$	0.52	\$	(1.57)			-	
22	RT Supplemental Reserve Distribution Amount	555.17	\$	0.01	\$		\$ - 9	0.01	-	
23	RT Pseudo Tie Congestion Amount	555.20	\$	32,158.91	\$	(385,240.28)	\$ (40.22) \$	(353,121.59)	-	
24	RT Pseudo Tie Loss Amount	555.21	\$	167.57	\$	(53,537.49)	\$ (1.99) \$		-	
25	Miscellaneous Amount	555.23	\$	-	\$	- :	\$- \$	- 6	-	
26	ARR Closeout Yearly Amount	555.26	\$	-	\$	- :	\$- \$	- 6	-	
27	RT Demand Reduction Distribution Amount	555.28	\$	-	\$		\$-9		-	
28	RT Schedule 1A3 Amount	555.29	\$	11.89	\$		\$-9		-	
29	RT Schedule 1A4 Amount	555.30	\$	58.03	\$		\$- \$		-	
30	DA Ramp Up Distribution Amount	555.31	\$	36.86	\$		\$- \$		-	
31	DA Ramp Down Distribution Amount	555.32	\$	-	\$		\$- \$		-	-
32	RT Ramp Non Performance Distribution Amount	555.33	\$	-	\$		\$		-	
33	RT Ramp Up Distribution Amount	555.34	\$	-	\$	(1.33)	\$-\$		-	
34 35	RT Ramp Down Distribution Amount	555.35	\$	32.770.48	\$	(459.898.41)	\$,		
	TOTAL		\$	32,770.48	\$	(459,898.41)	\$ (109.60) \$	5 (427,237.53)	· ·	
	Grandfathered Charge Types		_	=	_					
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	70.66	\$		\$- <u></u>		-	-
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$	(0.17)	\$- \$		-	-
		ວວວ.∠/	T	70.66	\$ ¢	- (0.17)	7			
							•			(52
38 39 40	DA GFA Carve Out Distribution Deployment Yearly Amount TOTAL TOTAL TOTAL SPP CHARGES	555.27	\$ \$		\$ \$		<u>\$</u> - \$ \$- \$	5 70.49		
1	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$	(409,448.97)	**	(F) and (G) increase		316
3	May 2022 covers time period of 4/22/2022 - 5/23/2022		\$	Net Retail	Ne	t SPP KWH				
44 45	SPP Book Totals		-	(409,339.37)		316,799				
15 16	Adjustments Total SPP		\$	(109.60)		316,799				
0	IUIAIOFF		ф	(409,448.97)		310./99				

	Detail of Southwe		ool (S		Charge Group for ny adjustments	r Current Month - Sy	vstem		
		(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	R	etail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
_	Day Ahead & Real Time Asset & Non Asset Energy & Loss				•	<u>.</u>	•		_
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ -		-	-
2	DA Non-asset Energy Amount	555.03	\$	-	\$ -	\$ -		-	-
3	RT Asset Energy Amount	555.09	\$	-	\$ -	\$ 4,075.12	\$ 4,075.12	-	-
4	RT Non-Asset Energy Amount	555.00	\$	-	<u>\$</u> -	\$ -	-	-	
5	TOTAL		\$	-	\$-	\$ 4,075.12	\$ 4,075.12	-	
_	RSG & Make Whole Payments		-		•	<u>.</u>	•		_
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$ -	\$ -		-	-
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	-	\$ -	\$ 230.55	\$ 230.55	-	
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-	<u>\$</u> -	\$ -	-	-	
9	TOTAL		\$	-	\$-	\$ 230.55	\$ 230.55	-	
	Revenue Neutrality Uplift				•				
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$	-	\$ -	\$ 231.20		-	
1	TOTAL		\$	-	\$-	\$ 231.20	\$ 231.20	-	
	Other Charges								
12	DA Regulation-Down Distribution Amount	555.04	\$		\$ -	\$ 12.26		-	-
3	DA Regulation-Up Distribution Amount	555.05	\$		\$ -	\$ 29.91		-	
4	DA Spinning Reserve Distribution Amount	555.06	\$		\$ -	\$ 50.92		-	
15	DA Supplemental Reserve Distribution Amount	555.07	\$		\$ -	\$ 2.69		-	
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$		\$-	\$ - :		-	
17	RT Over-Collected Losses Distribution Amount	555.11	\$			\$ (148.44)		-	
18	RT Regulation-Down Distribution Amount	555.12	\$		\$-	\$ 6.68		-	
19	RT Regulation Non-Performance Distribution Amount	555.13	\$		\$-	\$ (3.69)		-	
20	RT Regulation-Up Distribution Amount	555.14	\$		\$ -	\$ (3.52)		-	
21	RT Spinning Reserve Distribution Amount	555.16	\$		\$-	\$ (0.74)		-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$		\$ -	\$ 0.01		-	
23	RT Pseudo Tie Congestion Amount	555.20	\$			\$ - :		-	
24	RT Pseudo Tie Loss Amount	555.21	\$			\$ - :		-	
25	Miscellaneous Amount	555.23	\$		\$-	\$ - :		-	
26	ARR Closeout Yearly Amount	555.26	\$			\$ - :		-	
27	RT Demand Reduction Distribution Amount	555.28	\$		\$-		ş -	-	
28	RT Schedule 1A3 Amount	555.29	\$		ş -	\$ 3.24		-	
29	RT Schedule 1A4 Amount	555.30	\$		\$ -	\$ 15.81		-	
30	DA Ramp Up Distribution Amount	555.31	\$		\$ -	\$ 12.28		-	
31	DA Ramp Down Distribution Amount	555.32	\$		\$ -	\$ - :		-	
32	RT Ramp Non Performance Distribution Amount	555.33	\$		\$ -	\$ (0.32)		-	-
33	RT Ramp Up Distribution Amount	555.34	\$	-	\$ -	\$ (0.39)	\$ (0.39)	-	
34	RT Ramp Down Distribution Amount	555.35	\$	-	<u>\$</u> -	\$ -	5	-	
35	TOTAL		\$	12,396.15	\$ (649,340.32)	\$ (23.30)	\$ (636,967.47)	-	
	Grandfathered Charge Types								
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	-	\$ -	\$ 18.23		-	
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$ -	\$ (0.04)		-	
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-		\$ - :		-	
39	TOTAL		\$	-	\$ (23.47)	\$ 18.19	\$ (5.28)	-	
40	TOTAL SPP CHARGES		\$	12,396.15	\$ (649,363.79)	\$ 4,531.76	\$ (632,435.88)	-	
41 42	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$				\$ (632,435.88)		* (F) and (G) increase	d for losses of 2 9%	
43	June 2022 covers time period of 5/24/2022 - 6/22/2022			Net Retail	Net SPP KWH		(F) and (G) increase		
44	SPP Book Totals		\$	(636,967.64)	-				
	Adjustments		\$	4.531.76	-				
45									

	Detail of Southwe		Otter Tail Power ool (SPP) Charges b luly 2022 includes a (Revenue) E	y Charge Group for ny adjustments	r Current Month - Sy	rstem		
		(A)	(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	_
_	Day Ahead & Real Time Asset & Non Asset Energy & Loss	555.40	•	•	<u>^</u>	<u> </u>		_
1	DA Asset Energy Amount	555.19	\$- \$-	\$- \$-	\$ - S \$ - S	-	-	
2	DA Non-asset Energy Amount	555.03	\$- \$-	» - Տ -	s - 3		-	
3 1	RT Asset Energy Amount	555.09	5 - S -	ъ - \$-	s - 3		-	
+ 5	RT Non-Asset Energy Amount TOTAL	555.00	\$ - \$	5 - \$ -	ų (- -	-	
	RSG & Make Whole Payments		ə -	ə -	ə - ;	-	-	_
_		555.02	\$ -	ŕ	\$ - 5	-		_
5	DA Make-Whole-Payment Distribution Amount RT Make-Whole-Payment Distribution Amount			\$ -			-	
3		555.10	\$ -	\$ -	\$ - S		-	
3	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	<u>\$</u> -	\$ -	ų (-		
			\$-	ə -	ə - ;	-	-	_
_	Revenue Neutrality Uplift	555.45	¢	¢	¢	N		
0	RT Revenue Neutrality Uplift Distribution Amount	555.15	<u> </u>	<u>\$</u> -		-	-	_
1	TOTAL		\$ -	\$ -	\$ - 9	<u> </u>	· ·	_
	Other Charges				*			
2	DA Regulation-Down Distribution Amount	555.04	\$-	\$ -	\$ - \$		•	
3	DA Regulation-Up Distribution Amount	555.05	\$-	\$ -	\$ - 5		•	
4	DA Spinning Reserve Distribution Amount	555.06	\$ -	\$ -	\$ - \$		-	
5	DA Supplemental Reserve Distribution Amount	555.07	\$-	\$ -	\$ - 9		-	
6	RT Contingency Reserve Deployment Failure Amount	555.08	\$-	\$ -	\$ - 5		-	
7	RT Over-Collected Losses Distribution Amount	555.11	\$-		\$ (840.18) \$		-	
3	RT Regulation-Down Distribution Amount	555.12	\$ -	\$ -	\$ - S		-	
Э	RT Regulation Non-Performance Distribution Amount	555.13	\$-	\$ -	\$ - 5		-	
2	RT Regulation-Up Distribution Amount	555.14	\$ -	\$ -	\$ - 5		-	
1	RT Spinning Reserve Distribution Amount	555.16	\$-	\$ -	\$ - \$		-	
2	RT Supplemental Reserve Distribution Amount	555.17	\$ -	\$ -	\$ - \$		-	
3	RT Pseudo Tie Congestion Amount	555.20	\$ 8,370.44		\$ - 5		-	
4	RT Pseudo Tie Loss Amount	555.21	\$-				-	
5	Miscellaneous Amount	555.23	\$ -	\$ -	\$ - 3		-	
6	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ - 9		-	
7	RT Demand Reduction Distribution Amount	555.28	\$-	\$ -	\$ - \$		-	
3	RT Schedule 1A3 Amount	555.29	\$ -	\$ -	\$ - S		-	
9	RT Schedule 1A4 Amount	555.30	\$-	\$ -	\$ - \$		-	
2	DA Ramp Up Distribution Amount	555.31	\$-	\$ -	\$ - \$		-	
1	DA Ramp Down Distribution Amount	555.32	\$-	\$ -	\$ - 5		-	
2	RT Ramp Non Performance Distribution Amount	555.33	\$ -	\$ -	\$ - 9		-	
3	RT Ramp Up Distribution Amount	555.34	\$ -	\$ -	\$ - 5		-	
4 5	RT Ramp Down Distribution Amount TOTAL	555.35	<u>\$</u> - \$ 8.370.44	<u>\$</u> - \$(346.764.89)	<u>\$</u> -35 \$ (840.18) \$			
			\$ 8,370.44	\$ (346,764.89)	\$ (840.18) \$	o (339,234.03)	•	_
	Grandfathered Charge Types		•	^	^			
ò	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ -	\$ -	\$ - S	-	-	
Ś	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -			-	
3	DA GFA Carve Out Distribution Deployment Yearly Amount TOTAL	555.27	<u>\$</u> - \$-	<u>\$</u> - \$ -	\$ (4.35) \$			
4	TOTAL		\$-	\$-	\$ (4.35) \$	6 (4.35)	•	
)	TOTAL SPP CHARGES		\$ 8,370.44	\$ (346,764.89)	\$ (844.53) \$	(339,238.98)	-	
	Net SPP Charges for Retail = $(B) + (C) + (D)$ Net KWH for retail = $((F) + (G)) * 1,000$			\$ (339,238.98)				
	July 2022 covers time period of 6/23/2022 - 7/21/2022		Net Retail	Net SPP KWH	**	(F) and (G) increase	d for losses of 2.8%	
1	SPP Book Totals		\$ (338,394.45)					-
5	Adjustments		\$ (338,394.45) \$ (844.53)	-				
5	Adjustments Total SPP		\$ (844.53) \$ (339,238.98)					
1	roturol I		Ψ (JJJ,ZJU.30)	-				

	Detail of Southwe		Otter Tail Power ol (SPP) Charges b gust 2022 includes (Revenue) E	y Charge Group for any adjustments	Current Month - Sy	stem	
		(A)	(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with
	Charge Type Description	Acct	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail
). D	Day Ahead & Real Time Asset & Non Asset Energy & Loss						
	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ - 9	-	-
	DA Non-asset Energy Amount	555.03	\$ -		\$ - 9		-
	RT Asset Energy Amount	555.09	\$-		\$ (29.68) \$	(29.68)	-
_	RT Non-Asset Energy Amount	555.00	<u></u> -	<u></u> -	\$ - \$	-	-
	TOTAL		\$-	\$ -	\$ (29.68) \$	(29.68)	•
H	RSG & Make Whole Payments						
	DA Make-Whole-Payment Distribution Amount	555.02	\$ -		\$ - \$		-
	RT Make-Whole-Payment Distribution Amount	555.10	\$ -		\$ (1.66) \$	(1.66)	-
+	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	<u>\$</u> -	<u>-</u>	\$ - 9	- (4.00)	-
		_	\$-	\$ -	\$ (1.66) \$	6 (1.66)	•
	Revenue Neutrality Uplift	555.45	¢	¢	¢ (F.00) 4	(5.00)	
-	RT Revenue Neutrality Uplift Distribution Amount TOTAL	555.15	<u>\$</u> -	<u>-</u>	\$ (5.38) \$		-
			\$ -	\$-	\$ (5.38) \$	5 (5.38)	•
P	Other Charges	555.04	¢	¢	¢ (0.05) 4	(0.05)	
	DA Regulation-Down Distribution Amount	555.04	\$ -		\$ (0.05) \$		-
	DA Regulation-Up Distribution Amount	555.05	\$- \$-		\$ (0.11) \$		-
	DA Spinning Reserve Distribution Amount DA Supplemental Reserve Distribution Amount	555.06	\$- \$-		\$ (0.34) \$ \$ (0.02) \$		-
	RT Contingency Reserve Deployment Failure Amount	555.07 555.08	» - Տ -		\$ (0.02) \$ \$ - 9		-
	RT Over-Collected Losses Distribution Amount	555.06	» - Տ -		\$ (641.94)		-
	RT Regulation-Down Distribution Amount	555.11	» - Տ -		\$ (641.94) 3 \$ 0.09 9		-
	RT Regulation-Down Distribution Amount RT Regulation Non-Performance Distribution Amount	555.12	» - Տ -		\$ 0.09 3 \$ 0.04 9		-
	RT Regulation VD Distribution Amount	555.13	» - Տ -		\$ 0.04 q \$ - 9		-
	RT Spinning Reserve Distribution Amount	555.14	s - S -		s - 1		-
	RT Supplemental Reserve Distribution Amount	555.17	s -		\$- \$-		-
3	RT Pseudo Tie Congestion Amount	555.20	\$ 2,889.82		\$- \$-		-
	RT Pseudo Tie Loss Amount	555.20	\$ 2,009.02 \$ -		\$ - 9		
	Miscellaneous Amount	555.23	\$- \$-		\$ 358.07		
	ARR Closeout Yearly Amount	555.26	φ - \$ -		\$ - 9		
	RT Demand Reduction Distribution Amount	555.28	\$ -		\$ - 9		-
	RT Schedule 1A3 Amount	555.29	\$-		\$ - 9		
	RT Schedule 1A4 Amount	555.30	\$ -		\$ (0.14)		-
	DA Ramp Up Distribution Amount	555.31	\$ -		\$ - 9		-
L	DA Ramp Down Distribution Amount	555.32	\$-		\$ - 9		-
	RT Ramp Non Performance Distribution Amount	555.33	š -		\$ - 9		
	RT Ramp Up Distribution Amount	555.34	\$ -		\$ - 9		
	RT Ramp Down Distribution Amount	555.35	\$-	\$ -	\$ - 9		-
1	TOTAL		\$ 2,889.82	\$ (360,967.73)	\$ (284.40) \$	6 (358,362.31)	-
G	Grandfathered Charge Types						
Г	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$-	\$-	\$ (0.12) \$	6 (0.12)	-
1	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -	\$ -	\$ - 9	-	-
	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$-	\$-	\$ - \$	-	
	TOTAL		\$-	\$-	\$ (0.12) \$	6 (0.12)	-
	TOTAL SPP CHARGES		\$ 2,889.82	\$ (360,967.73)	\$ (321.24) \$	6 (358,399.15)	-
l	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = $((F) + (G)) * 1,000$			\$ (358,399.15)		(E) and (C) increase	d for losson of 2.9%
	August 2022 covers time period of 7/22/2022 8/23/2022		Net Retail	Net SPP KWH		(F) and (G) increase	U 101 105585 01 2.0%
L	SPP Book Totals		\$ (358,077.91)	-			
	Adjustments		\$ (321.24)	-			
	Total SPP		\$ (358,399.15)	-			

Charge Type Description	(A) Acct 555.19 555.03 555.09 555.00 555.00 555.10 555.10 555.18 555.15	(B) Retail Debits \$ 282,092.01 \$ 282,092.01 \$ 23,485.41 \$ 23,485.41 \$ 23,485.41 \$ 4,492.03	\$ - \$ (3,400.73) \$ - \$ (3,400.73) \$ - \$ - \$ -	(D) Retail Adjustments \$ - 5 \$ - 5 \$ - 5 \$ - 5	278,691.28 278,691.28 278,691.28	(F) and (G)** Charge types w MWH for Reta - - 4,641 - - 4,641 - - -	vith
d & Real Time Asset & Non Asset Energy & Loss set Energy Amount Asset Energy Amount Asset Energy Amount Asset Energy Amount Asset Energy Amount 	555.19 555.03 555.09 555.00 555.02 555.10 555.18	\$ 282,092.01 \$ 282,092.01 \$ 282,092.01 \$ 23,485.41 \$ 23,485.41	\$ - \$ (3,400.73) \$ (3,400.73) \$ (3,400.73) \$ - \$ - \$ - \$ - \$ -	\$ - 5 \$ - 5	278,691.28 278,691.28 278,691.28	- - 4,641 -	(156
set Energy Amount n-asset Energy Amount set Energy Amount n-Asset Energy Amount h-Asset Energy Amount ke-Whole-Payment Distribution Amount ke-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount 	555.03 555.09 555.00 555.02 555.10 555.18	\$ 282,092.01 \$ 282,092.01 \$ 282,092.01 \$ 23,485.41 \$ 23,485.41	\$ - \$ (3,400.73) \$ - \$ (3,400.73) \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - 5 \$ - 5 \$ - 5 \$ - 5 \$ - 5 \$ \$ - 5 \$ \$ - 5 \$ \$ - 5 \$ \$ - 5 \$ - 	278,691.28 278,691.28 278,691.28	-	
n-asset Energy Amount et Energy Amount 	555.03 555.09 555.00 555.02 555.10 555.18	\$ 282,092.01 \$ 282,092.01 \$ 282,092.01 \$ 23,485.41 \$ 23,485.41	\$ - \$ (3,400.73) \$ - \$ (3,400.73) \$ - \$ - \$ - \$ - \$ - \$ - \$ -	\$ - 5 \$ - 5 \$ - 5 \$ - 5 \$ - 5 \$ \$ - 5 \$ \$ - 5 \$ \$ - 5 \$ \$ - 5 \$ - 	278,691.28 278,691.28 278,691.28	-	
set Energy AmountAsset Energy AmountAsset Energy Amount ke Whole Payment Distribution Amount ke-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount	555.09 555.00 555.02 555.10 555.18	\$ 282,092.01 \$ 282,092.01 \$ 23,485.41 \$ 23,485.41	\$ (3,400.73) \$ - \$ (3,400.73) \$ - \$ - \$ - \$ - \$ - \$ -	\$ - 5 \$ - 5 \$ - 	278,691.28 278,691.28 278,691.28 278,691.28 278,691.28	-	
n-Asset Energy Amount Ke Whole Payments Ke-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount venue Sufficiency Guarantee Distribution Amount venue Neutrality Uplift venue Neutrality Uplift Distribution Amount urges gulation-Down Distribution Amount	555.00 555.02 555.10 555.18	\$ 282,092.01 \$ 23,485.41 \$ 23,485.41	\$ - \$ - \$ - \$ - \$ - \$ -	<u>\$</u> -9 \$ -9 \$\$-9 \$\$-9 \$\$-9	278,691.28 23,485.41	-	
ke Whole Payments ke-Whole-Payment Distribution Amount ke-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount 	555.02 555.10 555.18	\$ 282,092.01 \$ - \$ 23,485.41 \$ 23,485.41	\$ - \$ - \$ -	\$-9 \$-9 \$-9	278,691.28 - - - - -	-	
ke Whole Payments ke-Whole-Payment Distribution Amount ke-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount 	555.02 555.10 555.18	\$ 23,485.41 \$ 23,485.41 \$ 23,485.41	\$ - \$ - \$ -	\$ - 5 \$ - 5 \$ - 5	23,485.41	4,641 - -	(15
ke-Whole-Payment Distribution Amount ke-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount - venue Neutrality Uplift venue Neutrality Uplift Distribution Amount - rges gulation-Down Distribution Amount	555.10 555.18	\$ 23,485.41 \$	\$- \$-	\$ - 5 \$ - 5	3 23,485.41	-	
ke-Whole-Payment Distribution Amount ke-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount - venue Neutrality Uplift venue Neutrality Uplift Distribution Amount - rges gulation-Down Distribution Amount	555.10 555.18	\$ 23,485.41 \$	\$- \$-	\$ - 5 \$ - 5	3 23,485.41	-	
ke-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount venue Neutrality Uplift venue Neutrality Uplift Distribution Amount rges gulation-Down Distribution Amount	555.18	\$ \$ 23,485.41	\$-	\$ - 5 \$ - 5	3 23,485.41	-	
venue Sufficiency Guarantee Distribution Amount Feutrality Uplift venue Neutrality Uplift Distribution Amount reges gulation-Down Distribution Amount	555.18	\$ \$ 23,485.41	\$-	\$ - 5			
Reutrality Uplift venue Neutrality Uplift Distribution Amount rges gulation-Down Distribution Amount		\$ 23,485.41	\$ -			-	
venue Neutrality Uplift Distribution Amount - r ges gulation-Down Distribution Amount	555.15	\$ 4.492.03		\$ - 5	23.485.41	-	
venue Neutrality Uplift Distribution Amount - r ges gulation-Down Distribution Amount	555.15	\$ 4 492 03					
- rges gulation-Down Distribution Amount	000.10		\$ -	\$ - 5	4.492.03	-	
r ges gulation-Down Distribution Amount		\$ 4,492.03	\$ -	Ψ	5 4,492.03	-	
gulation-Down Distribution Amount		• .,	*	•	.,		
	555.04	\$ 280.73	\$ -	\$ - 5	280.73	· .	
	555.05	\$ 1.138.74		\$ - 3			
nning Reserve Distribution Amount	555.06	\$ 1,333.21		\$ - 3			
oplemental Reserve Distribution Amount	555.07	\$ 208.33		\$ - 3		-	
ntingency Reserve Deployment Failure Amount	555.08	\$ 200.33 \$ -		\$ - 3		-	
er-Collected Losses Distribution Amount		s -		\$ (549.32)		-	
	555.11					-	
						-	
		T				-	
						-	
						-	
						-	
						-	
						-	
						-	
loseout Yearly Amount						-	
mand Reduction Distribution Amount	555.28	\$ 1.69	\$ (0.18)			-	
nedule 1A3 Amount	555.29	\$ 135.16	\$-			-	
nedule 1A4 Amount	555.30	\$ 662.58	\$-	\$ - \$	662.58	-	
mp Up Distribution Amount	555.31	\$ 676.33	\$-	\$ - 5	676.33	-	
mp Down Distribution Amount	555.32	\$ -	\$ -	\$ - 5	- 3	-	
mp Non Performance Distribution Amount	555.33	\$ -	\$ (9.31)	\$ - 5	6 (9.31)	-	
np Up Distribution Amount	555.34	\$ 0.40					
			\$ -		-	-	
-		\$ 8,749.19	\$ (301,776.51)	\$ (549.32)	6 (293,576.64)	-	
ered Charge Types		· ,					
	555.01	\$ 542.36	\$ (12.63)	\$ - 9	529.73	-	
						-	
			\$ -				
	555.EI	\$ 542.36	\$ (12.95)			-	
	and Reduction Distribution Amount edule 143 Amount op Up Distribution Amount op Up Distribution Amount op Non Performance Distribution Amount op Up Distribution Amount op Up Distribution Amount op Down Distribution Amount ered Charge Types A Carve Out Distribution Deployment Daily Amount A Carve Out Distribution Deployment Yearly Amount A Carve Out Distribution Deployment Yearly Amount	ulation Non-Performance Distribution Amount 555.13 ulation-Up Distribution Amount 555.14 ning Reserve Distribution Amount 555.16 plemental Reserve Distribution Amount 555.17 udo Tie Loss Amount 555.21 udo Tie Congestion Amount 555.21 udo Tie Loss Amount 555.21 undo Tie Loss Amount 555.23 undo Tie Loss Amount 555.26 and Reduction Distribution Amount 555.28 edule 1A3 Amount 555.30 pub Distribution Amount 555.33 pub Down Distribution Amount 555.33 pub Down Distribution Amount 555.35 edule 1A4 Amount 555.35 pub Don Performance Distribution Amount 555.35 ed Charge Types 555.21 A Carve Out Distribution Deployment Daily Amount 555.22 A Carve Out Distribution Deployment Monthly Amount 555.27	ulation Non-Performance Distribution Amount 555.13 \$ - ulation-Up Distribution Amount 555.14 \$ 0.73 ning Reserve Distribution Amount 555.16 \$ 1.09 plemental Reserve Distribution Amount 555.17 \$ 0.82 udo Tie Congestion Amount 555.20 \$ 3,774.62 udo Tie Coss Amount 555.23 \$ - udo Tie Coss Amount 555.28 \$ 483.39 ueous Amount 555.28 \$ 1.69 and Reduction Distribution Amount 555.28 \$ 1.69 edule 1A3 Amount 555.30 \$ 662.58 p Up Distribution Amount 555.31 \$ 676.33 p Down Distribution Amount 555.35 \$ - p Non Performance Distribution Amount 555.31 \$ 676.93 p Down Distribution Amount 555.35 \$ - p Down Distribution Amount 555.35 \$ - p Down Distribution Amount 555.35 \$ - <td>ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) ulation-Up Distribution Amount 555.14 \$ 0.73 \$ (63.32) ning Reserve Distribution Amount 555.16 \$ 1.09 \$ (12.78) plemental Reserve Distribution Amount 555.17 \$ 0.82 \$ (67.69) udo Tie Congestion Amount 555.20 \$ 3,774.62 \$ (219.209.22) udo Tie Coss Amount 555.23 \$ - \$ (125.50) secut Yearly Amount 555.28 \$ 1.69 \$ (125.50) secut Yearly Amount 555.29 \$ 1.68 \$ - and Reduction Distribution Amount 555.30 \$ 662.58 \$ - p Up Distribution Amount 555.31 \$ 676.33 \$ - p Down Distribution Amount 555.33 \$ - \$ (9.31) p Down Distribution Amount 555.35 \$ - \$ <t< td=""><td>ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.32) \$ - \$ 0 \$ 0 \$ - \$ \$ \$ \$ 2 \$</td><td>ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (62.59) ining Reserve Distribution Amount 555.17 \$ 0.82 \$ (67.69) \$ - \$ (215,434.60) udo Tie Loss Amount 555.21 \$ 483.39 \$ (55.473.64) \$ \$ (54.990.25) inad Reduction Distribution Amount 555.28 \$ - \$ - \$ (125.50) \$ - \$ - \$ (125.50) \$ - \$ - \$ (125.50) \$ - \$ - \$ (125.50) \$ - \$ - \$ 1.51 \$<td>ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (61.32) \$ - \$ (62.59) - \$ (62.59) - \$ (66.87) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ \$ \$ (16.00) - \$ \$ \$ \$ \$ - \$ \$ \$ \$ \$ \$ 10.00 \$ <</td></td></t<></td>	ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) ulation-Up Distribution Amount 555.14 \$ 0.73 \$ (63.32) ning Reserve Distribution Amount 555.16 \$ 1.09 \$ (12.78) plemental Reserve Distribution Amount 555.17 \$ 0.82 \$ (67.69) udo Tie Congestion Amount 555.20 \$ 3,774.62 \$ (219.209.22) udo Tie Coss Amount 555.23 \$ - \$ (125.50) secut Yearly Amount 555.28 \$ 1.69 \$ (125.50) secut Yearly Amount 555.29 \$ 1.68 \$ - and Reduction Distribution Amount 555.30 \$ 662.58 \$ - p Up Distribution Amount 555.31 \$ 676.33 \$ - p Down Distribution Amount 555.33 \$ - \$ (9.31) p Down Distribution Amount 555.35 \$ - \$ <t< td=""><td>ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.32) \$ - \$ 0 \$ 0 \$ - \$ \$ \$ \$ 2 \$</td><td>ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (62.59) ining Reserve Distribution Amount 555.17 \$ 0.82 \$ (67.69) \$ - \$ (215,434.60) udo Tie Loss Amount 555.21 \$ 483.39 \$ (55.473.64) \$ \$ (54.990.25) inad Reduction Distribution Amount 555.28 \$ - \$ - \$ (125.50) \$ - \$ - \$ (125.50) \$ - \$ - \$ (125.50) \$ - \$ - \$ (125.50) \$ - \$ - \$ 1.51 \$<td>ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (61.32) \$ - \$ (62.59) - \$ (62.59) - \$ (66.87) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ \$ \$ (16.00) - \$ \$ \$ \$ \$ - \$ \$ \$ \$ \$ \$ 10.00 \$ <</td></td></t<>	ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.32) \$ - \$ 0 \$ 0 \$ - \$ \$ \$ \$ 2 \$	ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (62.59) ining Reserve Distribution Amount 555.17 \$ 0.82 \$ (67.69) \$ - \$ (215,434.60) udo Tie Loss Amount 555.21 \$ 483.39 \$ (55.473.64) \$ \$ (54.990.25) inad Reduction Distribution Amount 555.28 \$ - \$ - \$ (125.50) \$ - \$ - \$ (125.50) \$ - \$ - \$ (125.50) \$ - \$ - \$ (125.50) \$ - \$ - \$ 1.51 \$ <td>ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (61.32) \$ - \$ (62.59) - \$ (62.59) - \$ (66.87) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ \$ \$ (16.00) - \$ \$ \$ \$ \$ - \$ \$ \$ \$ \$ \$ 10.00 \$ <</td>	ulation Non-Performance Distribution Amount 555.13 \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (36.64) \$ - \$ (61.32) \$ - \$ (62.59) - \$ (62.59) - \$ (66.87) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ (16.00) - \$ \$ \$ (16.00) - \$ \$ \$ \$ \$ - \$ \$ \$ \$ \$ \$ 10.00 \$ <

Charge Type Description Id & Real Time Asset & Non Asset Energy & Loss Set Energy Amount on-asset Energy Amount set Energy Amount Asset Energy Amount L ake Whole-Payment Distribution Amount ake-Whole-Payment Distribution Amount Vernue Sufficiency Guarantee Distribution Amount L Neutrality Uplift Vernue Neutrality Uplift Distribution Amount	(A) Acct 555.19 555.03 555.09 555.00 555.02 555.10 555.18	(B) Retail Debits \$ 24,594.00 \$ 24,594.00 \$ 24,594.00 \$ 1,912.58	\$ - 5 \$ - 5 \$ - 5 \$ - 5	(D) Retail Adjustments \$ - \$ \$ (6,350.02) \$ \$ - \$ \$ (6,350.02) \$	- 5 18,243.98 5 -	(F) and (G)** Charge types with MWH for Retail - - 746 - 746	
Id & Real Time Asset & Non Asset Energy & Loss set Energy Amount n-asset Energy Amount set Energy Amount L ake Whole Payment Distribution Amount ake-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount L Neutrality Uplift Venue Neutrality Uplift Distribution Amount	555.19 555.03 555.09 555.00 555.02 555.10	\$ - \$ 24,594.00 \$ 24,594.00 \$ 24,594.00 \$ -	\$ - 5 \$ - 5 \$ - 5 \$ - 5 \$ - 5 \$ \$ - 5	\$ - \$ \$ - \$ \$ (6,350.02) \$ \$ - \$ \$ (6,350.02) \$	5 - - - 18,243.98 -	746	
set Energy Amount set Energy Amount set Energy Amount n-Asset Energy Amount L ake Whole Payments ake-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount L Neutrality Uplift Venue Neutrality Uplift Distribution Amount	555.03 555.09 555.00 555.02 555.10	\$ - \$ 24,594.00 \$ - \$ 24,594.00 \$ -	\$- \$- \$- \$- \$- \$	\$ - \$ \$ (6,350.02) \$ \$ - \$ \$ (6,350.02) \$	- 5 18,243.98 5 -	746	
on-asset Energy Amount set Energy Amount on-Asset Energy Amount L ake Whole-Payment Distribution Amount ake-Whole-Payment Distribution Amount ake-Whole-Payment Distribution Amount evenue Sufficiency Guarantee Distribution Amount L Neutrality Uplift venue Neutrality Uplift Distribution Amount	555.03 555.09 555.00 555.02 555.10	\$ - \$ 24,594.00 \$ - \$ 24,594.00 \$ -	\$- \$- \$- \$- \$- \$	\$ - \$ \$ (6,350.02) \$ \$ - \$ \$ (6,350.02) \$	- 5 18,243.98 5 -	746	
set Energy Amount n-Asset Energy Amount L ake Whole Payment Distribution Amount ake-Whole-Payment Distribution Amount ake-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount L Neutrality Uplift Venue Neutrality Uplift Distribution Amount	555.09 555.00 555.02 555.02 555.10	\$ 24,594.00 \$ - \$ 24,594.00 \$ -	\$ - 5 \$ - 5 \$ - 5	\$ (6,350.02) \$ <u>\$ - \$</u> \$ (6,350.02) \$	5 18,243.98 -	-	
n-Asset Energy Amount L ake Whole Payments ake-Whole-Payment Distribution Amount ake-Whole-Payment Distribution Amount vernue Sufficiency Guarantee Distribution Amount L Neutrality Uplift vernue Neutrality Uplift Distribution Amount	555.00 555.02 555.10	\$ - \$ 24,594.00 \$ -	\$	<u>\$ </u>	-	-	
L ake Whole Payments ake-Whole-Payment Distribution Amount ake-Whole-Payment Distribution Amount evenue Sufficiency Guarantee Distribution Amount L Neutrality Uplift veenue Neutrality Uplift Distribution Amount	555.02 555.10	\$ 24,594.00 \$ -	\$ - 9	\$ (6,350.02) \$	18,243.98	746	
ake Whole Payments ake-Whole-Payment Distribution Amount ake-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount L Neutrality Uplift Veenue Neutrality Uplift Distribution Amount	555.10	\$ -			10,240.00	140	
ake-Whole-Payment Distribution Amount ake-Whole-Payment Distribution Amount venue Sufficiency Guarantee Distribution Amount L Neutrality Uplift venue Neutrality Uplift Distribution Amount	555.10		\$ - 9				
ake-Whole-Payment Distribution Amount evenue Sufficiency Guarantee Distribution Amount L Neutrality Uplift evenue Neutrality Uplift Distribution Amount	555.10			\$-\$			
wenue Sufficiency Guarantee Distribution Amount L Neutrality Uplift venue Neutrality Uplift Distribution Amount		ψ 1,012.00		\$ (201.47) \$			
L Neutrality Uplift evenue Neutrality Uplift Distribution Amount	000.10	\$ -		\$ (201.47) \$ \$ - \$	-	_	
Neutrality Uplift evenue Neutrality Uplift Distribution Amount		\$ 1,912.58		\$ (201.47) \$	1,711.11		
evenue Neutrality Uplift Distribution Amount		,	, '	· () @	.,		
	555.15	\$ 804.31	\$ - 5	\$ (113.38) \$	690.93		
L	000.10	\$ 804.31		\$ (113.38) \$			
arges		÷ 00-7.31	÷ - •	, (113.30) \$	530.35	-	_
equiation-Down Distribution Amount	555.04	\$ 33.32	\$ - 5	\$ (4.41) \$	5 28.91		
equiation-Down Distribution Amount	555.05	\$ 133.32		\$ (20.48) \$		-	
	555.06	\$ 173.17				_	
						_	
		-					
						-	
		-				-	
						-	
						-	
						-	
						-	
						-	
						-	
		•				-	
						-	
						-	
		\$ -			j -	-	
L		\$ 36,753.07	\$ (279,420.36)	\$ (7,831.63) \$	(250,498.92)	•	
hered Charge Types				<u> </u>			
	555.01	\$ 32.37	\$ (3.46)	\$ (10.59) \$	18.32	-	
FA Carve Out Distribution Deployment Monthly Amount	555.22	\$ -				-	
FA Carve Out Distribution Deployment Yearly Amount	555.27	\$-	\$ - 9	\$ - \$,,	-	
L		\$ 32.37	\$ (6.43)	\$ (10.58) \$	15.36	-	
	nered Charge Types A Carve Out Distribution Deployment Daily Amount A Carve Out Distribution Deployment Monthly Amount A Carve Out Distribution Deployment Yearly Amount	pplemental Reserve Distribution Amount 555.07 ntingency Reserve Deployment Failure Amount 555.08 er-Collected Losses Distribution Amount 555.11 gulation-Down Distribution Amount 555.13 gulation-Dup Distribution Amount 555.14 inning Reserve Distribution Amount 555.14 gulation Variabution Amount 555.16 pplemental Reserve Distribution Amount 555.17 eudo Tie Congestion Amount 555.17 audo Tie Congestion Amount 555.20 eudo Tie Loss Amount 555.23 Ioaeout Yearly Amount 555.23 Ioaeout Yearly Amount 555.29 hedule 1A3 Amount 555.30 mp Up Distribution Amount 555.31 mp Down Distribution Amount 555.32 mp Non Performance Distribution Amount 555.34 mp Down Distribution Amount 555.35 L Stered Charge Types A Carve Out Distribution Deployment Monthly Amount 555.27	pplemental Reserve Distribution Amount 555.07 \$ 35.06 ntingency Reserve Deployment Failure Amount 555.08 \$ - er-Collected Losses Distribution Amount 555.11 \$ 26.26 gulation-Down Distribution Amount 555.12 \$ 8.59 gulation-Down Distribution Amount 555.14 \$ 0.74 inning Reserve Distribution Amount 555.14 \$ 0.74 inning Reserve Distribution Amount 555.17 \$ - polemental Reserve Distribution Amount 555.17 \$ - polemental Reserve Distribution Amount 555.20 \$ 36.031.33 pulot Fie Loss Amount 555.21 \$ 8 - Ianeous Amount 555.28 \$ - Ianeous Amount 555.32 \$ - hedule 1A4 Amount 555.33 \$ 100.74 mp Up Distribution Amount 555.34 \$ 0.17 mp Down Distribution Amount 555.35 \$ - mp Up Distribution Amount	pplemental Reserve Distribution Amount 555.07 \$ 35.06 \$ - \$ ntingency Reserve Deployment Failure Amount 555.08 \$ -	pplemental Reserve Distribution Amount 555.07 \$ 35.06 \$ - \$ (4.62) \$ ntingency Reserve Deployment Failure Amount 555.08 \$ - \$ \$ 0.01 \$ er-Collected Losses Distribution Amount 555.11 \$ 26.26 \$ (12,732.84) \$ 498.23 \$ gulation-Down Distribution Amount 555.12 \$ 8.59 \$ - \$ 0.11 \$ gulation-Down Distribution Amount 555.13 \$ - \$ (4.66) \$ 1.72 \$ gulation-Down Distribution Amount 555.16 \$ 0.04 \$ (1.23) \$ (0.07) \$ polemental Reserve Distribution Amount 555.20 \$ 36,031.33 \$ (220,222.67) \$ (7,054.27) \$ eudo Tie Congestion Amount 555.21 \$ 8.679 \$ (46,47.48) \$ (1.197.63) \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ <	pplemental Reserve Distribution Amount 555.07 \$ 35.06 \$ - \$ 30.44 ntingency Reserve Deployment Failure Amount 555.08 \$ - \$ 0.01 \$ 0.01 er-Collected Losses Distribution Amount 555.11 \$ 26.26 \$ (12,732.84) \$ 498.23 \$ (12,208.35) gulation-Down Distribution Amount 555.13 \$ - \$ (4.66) \$ 1.72 \$ (2.94) gulation-Down Distribution Amount 555.14 \$ 0.04 \$ (1.23) \$ (0.07) \$ (1.26) polemental Reserve Distribution Amount 555.17 \$ - \$ (3.38) \$ \$ \$ (3.38) \$ \$ \$ (3.38) \$ \$ \$ (3.38) \$ <	pplemental Reserve Distribution Amount 555.07 \$ 35.06 \$ - \$ 0.01 \$ 0.01 - ntingency Reserve Deployment Failure Amount 555.11 \$ 26.26 \$ (12,732.84) \$ 498.23 \$ (12,208.35) - gulation-Down Distribution Amount 555.11 \$ 26.26 \$ (12,732.84) \$ 498.23 \$ (12,208.35) - gulation-Down Distribution Amount 555.13 \$ - \$ 0.10 \$ 8.78 - gulation-Down Distribution Amount 555.14 \$ 0.04 \$ (1.23) \$ 0.04 \$ (1.24) - \$ (3.38) - \$ \$ 3.38.9 - \$ \$ (3.38) - \$ \$ 3.38.9 - \$ \$ 1.14) - - \$

	Detail of Southwes		Otter Tail Power ool (SPP) Charges b ember 2022 include (Revenue) E	y Charge Group for s any adjustments	r Current Month - Sy	stem		
		(A)	(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	ı
	Charge Type Description	Acct	Retail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
o. C	Day Ahead & Real Time Asset & Non Asset Energy & Loss		÷	•				_
	DA Asset Energy Amount	555.19	\$ -	\$ -	\$ - \$		-	
2	DA Non-asset Energy Amount	555.03	\$ -		\$ - 9		-	
3	RT Asset Energy Amount	555.09	\$ 1,179.87	\$ -	\$ (2,474.32)	6 (1,294.45)	39	
ł.	RT Non-Asset Energy Amount	555.00	<u>\$</u> -	<u>\$</u> -	<u>\$</u>	-	-	
5	TOTAL		\$ 1,179.87	<u>\$</u> -	\$ (2,474.32) \$	5 (1,294.45)	39	
	RSG & Make Whole Payments		÷	•	<u> </u>			
5	DA Make-Whole-Payment Distribution Amount	555.02	\$ -	\$ -	\$ - \$		-	
7	RT Make-Whole-Payment Distribution Amount	555.10	\$ 17.49	\$ -	\$ (60.10) \$	6 (42.61)	-	
3	RT Revenue Sufficiency Guarantee Distribution Amount TOTAL	555.18	<u>\$</u> - \$ 17.49	<u>ş</u> -	<u>\$</u>	- (10.01)	-	
			\$ 17.49	\$ -	\$ (60.10) \$	6 (42.61)	-	
	Revenue Neutrality Uplift		• • • • • • •		A			
0	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ 14.57	<u>\$</u> -	\$ (141.55) \$		-	
1	TOTAL		\$ 14.57	\$ -	\$ (141.55) \$	6 (126.98)	-	
	Other Charges		^		A (0)	(a a c):		
2	DA Regulation-Down Distribution Amount	555.04	\$ 2.65	\$ -	\$ (6.45) \$		-	
3	DA Regulation-Up Distribution Amount	555.05	\$ 4.45	\$ -	\$ (12.31) \$		-	
4	DA Spinning Reserve Distribution Amount	555.06	\$ 5.17	\$ -	\$ (10.70) \$		-	
5	DA Supplemental Reserve Distribution Amount	555.07	\$ 0.50	\$ -	\$ (2.25) \$		-	
6	RT Contingency Reserve Deployment Failure Amount	555.08	\$-	\$ -	\$ - \$		-	
7	RT Over-Collected Losses Distribution Amount	555.11	\$ -		\$ (896.44) \$		-	
8	RT Regulation-Down Distribution Amount	555.12	\$ 0.24	\$ -	\$ (1.87) \$		-	
9	RT Regulation Non-Performance Distribution Amount	555.13	\$ -		\$ 1.24 \$		-	
0	RT Regulation-Up Distribution Amount	555.14	\$ 0.06	\$ -	\$ 1.10 \$		-	
1	RT Spinning Reserve Distribution Amount	555.16	\$ -	\$ -	\$ 0.02 \$		-	
2	RT Supplemental Reserve Distribution Amount	555.17	\$-	\$-	\$ (0.03) \$		-	
3	RT Pseudo Tie Congestion Amount	555.20	\$ 69,271.09		\$ - \$		-	
4	RT Pseudo Tie Loss Amount	555.21	\$ 13,398.80		\$ - 9		-	
5	Miscellaneous Amount	555.23	\$ -		\$ - \$		-	
6	ARR Closeout Yearly Amount	555.26	\$ -	\$ -	\$ - 9		-	
7	RT Demand Reduction Distribution Amount	555.28	\$ -	\$ -	\$ 0.02 \$		-	
8	RT Schedule 1A3 Amount	555.29	\$ 1.13	\$ -	\$ (1.87) \$		-	
9	RT Schedule 1A4 Amount	555.30	\$ 5.65	\$ -	\$ (9.50) \$		-	
0	DA Ramp Up Distribution Amount	555.31	\$ 4.14	\$ -	\$ (5.03) \$		-	
1	DA Ramp Down Distribution Amount	555.32	\$ -	\$ -	\$ - 9		-	
2	RT Ramp Non Performance Distribution Amount	555.33	\$ -		\$ 0.13 \$		-	
3	RT Ramp Up Distribution Amount	555.34	\$ 0.01	\$ -	\$ (0.25) \$	6 (0.24)	-	
4 5	RT Ramp Down Distribution Amount TOTAL	555.35	<u>\$</u> - \$ 82,693.89	\$ (288,287.25)	<u>\$</u> -944.19)			
-			\$ 62,093.69	\$ (200,207.25)	ə (944.19) t	5 (200,537.55)	-	_
	Grandfathered Charge Types	FFF 04	¢ 0.67	¢	¢ (0.00) 1	(5.50)		
6 7	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ 3.67 \$ -	\$ -	\$ (9.26) \$ \$ 0.08 \$		-	
/ B	DA GFA Carve Out Distribution Deployment Monthly Amount DA GFA Carve Out Distribution Deployment Yearly Amount	555.22 555.27	\$- \$-	\$ - \$ -	\$ 0.08 \$ \$ - 9		-	
8 9	TOTAL	555.27	\$ - \$ 3.67	<u> </u>	\$ (9.18) \$			
4			φ 3.07	Ψ -	ψ (3.10) 1	, (3.31)	-	
þ	TOTAL SPP CHARGES		\$ 83,909.49	\$ (288,287.25)	\$ (3,629.34) \$	6 (208,007.10)	39	
	Net SPP Charges for Retail = (B) + (C) + (D) Net KWH for retail = ((F) + (G)) * 1,000			\$ (208,007.10)				39.
	November 2022 covers time period of 10/24/2022 11/22/2022				••	(F) and (G) increase	ed for losses of 2.8%	
I			Net Retail	Net SPP KWH				
ŀ	SPP Book Totals		\$ (204,377.76)	39,105				
5	Adjustments		\$ (3,629.34)	-				
5	Total SPP		\$ (208.007.10)	39,105				

	Detail of Southwe		ool (S		Charge Group for any adjustments	r Current Month - Sy	rstem		
		(A)		(B)	(C)	(D) Retail	(E)	(F) and (G)** Charge types with	
	Charge Type Description	Acct	R	etail Debits	Retail Credits	Adjustments	Net Retail	MWH for Retail	
_	Day Ahead & Real Time Asset & Non Asset Energy & Loss		-		•	<u>.</u>			
1	DA Asset Energy Amount	555.19	\$	-	\$ -	\$ - S		-	
2	DA Non-asset Energy Amount	555.03	\$		\$ -	\$ - 9		-	
3	RT Asset Energy Amount	555.09	\$		\$-	\$ 60.84	60.84	-	
4	RT Non-Asset Energy Amount	555.00	\$	-	<u>\$</u> -	<u>\$</u> - \$	-	-	
5	TOTAL		\$	-	\$-	\$ 60.84 \$	60.84	-	-
	RSG & Make Whole Payments				•	<u>.</u>	•		
6	DA Make-Whole-Payment Distribution Amount	555.02	\$		\$-	\$ - \$		-	
7	RT Make-Whole-Payment Distribution Amount	555.10	\$	-	\$ -	\$ (207.72) \$	(207.72)	-	
8	RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$	-	<u>\$</u> -	<u>\$</u> - 3	-	-	
9	TOTAL		\$	-	\$-	\$ (207.72) \$	(207.72)	-	
	Revenue Neutrality Uplift		_		•				
10	RT Revenue Neutrality Uplift Distribution Amount	555.15	\$		<u>\$</u> -	\$ (58.36)		-	-
11	TOTAL		\$	-	\$-	\$ (58.36) \$	6 (58.36)	-	
	Other Charges								
2	DA Regulation-Down Distribution Amount	555.04	\$		\$-	\$ 0.08 \$		-	-
13	DA Regulation-Up Distribution Amount	555.05	\$		\$ -	\$ 0.18		-	
14	DA Spinning Reserve Distribution Amount	555.06	\$		\$ -	\$ 0.21 \$		-	
15	DA Supplemental Reserve Distribution Amount	555.07	\$		\$ -	\$ 0.02 \$		-	
16	RT Contingency Reserve Deployment Failure Amount	555.08	\$		\$ -	\$ - \$		-	
17	RT Over-Collected Losses Distribution Amount	555.11	\$			\$ (313.71) \$		-	
18	RT Regulation-Down Distribution Amount	555.12	\$		\$ -	\$ - \$		-	
19	RT Regulation Non-Performance Distribution Amount	555.13	\$		\$ -	\$ (0.01) \$		-	
20	RT Regulation-Up Distribution Amount	555.14	\$		\$ -	\$ - 5		-	-
21	RT Spinning Reserve Distribution Amount	555.16	\$		\$ -	\$ - \$		-	-
22	RT Supplemental Reserve Distribution Amount	555.17	\$		\$-	\$ - 9		-	-
23	RT Pseudo Tie Congestion Amount	555.20	\$			\$ - 5		-	
24	RT Pseudo Tie Loss Amount	555.21	\$			\$ - \$		-	
25	Miscellaneous Amount	555.23	\$		\$ -	\$ (4.13) \$		-	-
26	ARR Closeout Yearly Amount	555.26	\$		\$ -	\$ - 5		-	
27	RT Demand Reduction Distribution Amount	555.28	\$		\$-	\$ - \$		-	
28	RT Schedule 1A3 Amount	555.29	\$		\$-	\$ 0.07 \$		-	
29	RT Schedule 1A4 Amount	555.30	\$		\$-	\$ 0.20 \$		-	-
30	DA Ramp Up Distribution Amount	555.31	\$		\$-	\$ 0.14		-	-
31	DA Ramp Down Distribution Amount	555.32	\$		\$ -	\$ - 5		-	
32	RT Ramp Non Performance Distribution Amount	555.33	\$		\$-	\$ - \$		-	-
33	RT Ramp Up Distribution Amount	555.34	\$		\$ -	\$ - 5		-	
34	RT Ramp Down Distribution Amount	555.35	\$		<u>\$</u> -	<u>\$</u>		-	
35	TOTAL		\$	274,404.33	\$ (694,824.49)	\$ (316.95) \$	6 (420,737.11)	•	
	Grandfathered Charge Types								
36	DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$	-	\$ -	\$ (0.02) \$		-	
37	DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$	-	\$ (0.01)		6 (0.01)	-	
38	DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$	-	\$	\$ - \$		-	
39	TOTAL		\$	-	\$ (0.01)	\$ (0.02) \$	6 (0.03)	-	
40	TOTAL SPP CHARGES		\$	274,404.33	\$ (694,824.50)	\$ (522.21) \$	\$ (420,942.38)	-	
41 42	Net SPP Charges for Retail = $(B) + (C) + (D)$ Net KWH for retail = $((F) + (G)) * 1,000$				\$ (420,942.38)	**	* (F) and (G) increase	d for losses of 2.8%	
43	December 2022 covers time period of 11/23/2022 12/26/2022			Net Retail	Net SPP KWH		(F) and (G) increase	u 101 105585 01 2.076	
44	SPP Book Totals		\$	(420,420.17)	-				
	A 11		\$	(522.21)					
45	Adjustments		Ψ	(322.21)	-				

Otter Tail Power Company Detail of Southwest Power Pool (SPP) Charges Up Charges Group - Net Retail - System Year to Date 2022 includes any adjustments (Revenue) Expense														
Charge Type Description	Acct	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	YEAR TO DATE
. Day Ahead & Real Time Asset & Non Asset Energy & Loss														
DA Asset Energy Amount	555.19	s - s	- \$	- \$	- \$; - \$	- \$	- 9	; - ;	6 - 3	ş -	\$ - 5	; - s	-
DA Non-asset Energy Amount	555.03	\$ - \$	- \$	- \$	- \$; - \$	- \$	- \$		5 - 3	5 -	\$ - 5		-
RT Asset Energy Amount	555.09	\$ (7,518.51) \$	128.34 \$	(7.20) \$	- \$	16,217.59 \$	4,075.12 \$	- 9	(29.68)	278,691.28	\$ 18,243.98	\$ (1,294.45) \$	60.84 \$	308,567.31
RT Non-Asset Energy Amount	555.00	S - S	- \$	- \$	- \$	- S	- \$	- 9			5 -	\$ - 5	- 9	-
TOTAL		\$ (7,518.51) \$	128.34 \$	(7.20) \$	- \$	16,217.59 \$	4,075.12 \$	- \$	(29.68)	278,691.28	\$ 18,243.98	\$ (1,294.45)	60.84 \$	308,567.31
RSG & Make Whole Payments														
DA Make-Whole-Payment Distribution Amount	555.02	s - s	- \$	- \$	- \$; - \$	- \$	- 9	- :	6 - 3	s -	\$ - 5	5 - 5	-
RT Make-Whole-Payment Distribution Amount	555.10	\$ (113.96) \$	1.26 \$		- 5	907.48 \$	230.55 \$				• \$	\$ (42.61) \$	(207.72) \$	25,969.90
RT Revenue Sufficiency Guarantee Distribution Amount	555.18	\$ - \$	- \$	- \$	- 5		- \$	- 9				\$ - 5		
TOTAL		\$ (113.96) \$	1.26 \$	0.04 \$	- \$	907.48 \$	230.55 \$			23,485.41	\$ 1,711.11	\$ (42.61)	(207.72) \$	25,969.9
Revenue Neutrality Uplift														
RT Revenue Neutrality Uplift Distribution Amount	555.15	\$ (90.36) \$	2.05 \$	(0.11) \$	- \$	593.00 \$	231.20 \$	- \$	5 (5.38)	4,492,03	690.93	\$ (126.98) \$	6 (58.36) \$	5,728.02
TOTAL		\$ (90.36) \$	2.05 \$											
Other Charges		, (, ,		, <u></u> ,					()	,			(.,
DA Regulation-Down Distribution Amount	555.04	\$ (12.15) \$	0.13 \$	- \$	- \$	47.56 \$	12.26 \$	- 9	6 (0.05)	6 280.73	\$ 28.91	\$ (3.80) \$	6 0.08 \$	353.6
DA Regulation-Up Distribution Amount	555.05	\$ (20.50) \$	0.32 \$	(0.03) \$	- \$	103.18 \$	29.91 \$	- 9	6 (0.11)	5 1.138.74	\$ 112.84	\$ (7.86) \$	0.18 \$	1.356.6
DA Spinning Reserve Distribution Amount	555.06	\$ (36.11) \$	0.36 \$											
DA Supplemental Reserve Distribution Amount	555.07	\$ (2.53) \$	- \$					- 9						
RT Contingency Reserve Deployment Failure Amount	555.08	\$ (2.00) \$	- \$						(***=)					
RT Over-Collected Losses Distribution Amount	555.11	\$ (25,055.36) \$				• •	+				•	•		
RT Regulation-Down Distribution Amount	555.12	\$ 0.65 \$	(22,707.50) \$	- \$	- \$			- \$						
RT Regulation Non-Performance Distribution Amount	555.13	\$ 3.22 \$	- 5	- \$	- \$						• • •	, , , , ,		
RT Regulation-Up Distribution Amount	555.14	\$ 20.54 \$	- 5	- \$	- 5	(1.00) ¢						• • • • • •	(, ,	
RT Spinning Reserve Distribution Amount	555.16	\$ 13.54 \$	- 4		- 4					()				
RT Supplemental Reserve Distribution Amount	555.17	\$ 13.54 \$ \$ (4.10) \$	- 3	- 3	- 3	() .		- 4						(74.36
RT Pseudo Tie Congestion Amount	555.20	\$ 4.239.67 \$	43.022.06 \$, , , , , , , , , , , , , , , , , , ,	ų v									
RT Pseudo Tie Loss Amount	555.21	\$ 10.398.45 \$												
Miscellaneous Amount	555.23	\$ (32.36) \$	(208.38) \$		(21,101.04) \$			- 9				\$ (17,074.10) \$		
ARR Closeout Yearly Amount	555.26	\$ - \$	- \$	- \$	- \$	- ŝ		- 9				\$ - 5		
RT Demand Reduction Distribution Amount	555.28	\$ - \$	- \$	- \$	- \$; - \$		- \$		5 1.51		\$ 0.02	- \$	1.5
RT Schedule 1A3 Amount	555.29	\$ (3.31) \$	0.06 \$	(0.01) \$		5 11.89 \$	3.24 \$	- \$				\$ (0.74) \$		
RT Schedule 1A4 Amount	555.30	\$ (16.84) \$	0.31 \$	(0.02) \$	- \$			- \$						
DA Ramp Up Distribution Amount	555.31	s - s	- \$	- \$	- \$	36.86 \$	12.28 \$	- \$			¢ 00.01	\$ (0.89) \$		813.7
DA Ramp Down Distribution Amount	555.32	\$ - \$	- \$	- \$	- \$	i - \$	- \$	- \$			*	\$ - 9	· •	-
RT Ramp Non Performance Distribution Amount	555.33	\$ - \$ \$ - \$	- \$	- \$	- \$. () +	((0.0.)		\$ 0.05 \$		(12.30
RT Ramp Up Distribution Amount RT Ramp Down Distribution Amount	555.34 555.35	\$-\$ ¢.¢	- 3	- 5	- 3	(1.33) \$	(0.39) \$	- 9	-	6 (51.41)	§ (4.15)	\$ (0.24) \$	- 3 - 4	(57.5
TOTAL	333.33	\$ (10,507.19) \$	1.031.18	(300.967.69) \$	(302.119.92)	(427,237,53) \$	(636.967.47) \$	(339.234.63)	(358.362.31)	(293.576.64)	(250.498.92)	\$ (206,537.55) \$, (420.737.11) \$	(3.545.715.75
Grandfathered Charge Types		τ (.0,00) ψ	.,	(500,001.00) @	((,, <u>,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(100,001117) \$	(100,201100) 4	(300,002.01)	,200,010104)	(200, 100.02)	- ,200,001.00) (, 5,610,110.11
DA GFA Carve Out Distribution Deployment Daily Amount	555.01	\$ (11.48) \$	(0.08) \$	- \$	- \$	70.66 \$	18.23 \$	- \$	6 (0.12) 5	529.73	\$ 18.32	\$ (5.59) \$	6 (0.02) \$	619.65
DA GFA Carve Out Distribution Deployment Monthly Amount	555.22	\$ 0.51 \$	- \$	- \$	- \$									
DA GFA Carve Out Distribution Deployment Yearly Amount	555.27	\$-\$	- \$	- \$	- \$; - \$	(23.47) \$					\$ - 5	, ,	
TOTAL		\$ (10.97) \$	(0.08) \$	- \$	- \$	5 70.49 \$	(5.28) \$	(4.35) \$	6 (0.12)	529.50	\$ 15.36	\$ (5.51) \$	6 (0.03) \$	589.0
TOTAL SPP CHARGES - Energy Adjustment Rider		\$ (18,240.99) \$	1,162.75 \$	(300,974.96) \$	(302,119.92) \$	6 (409,448.97) \$	(632,435.88) \$	(339,238.98) \$	6 (358,399.15)	5 13,621.58	\$ (229,837.54)	\$ (208,007.10) \$	\$ (420,942.38) \$	(3,204,861.5

OTTER TAIL POWER COMPANY GENERATION MAINTENANCE EXPENSE

		Actual 2017	Actual 2018	Actual 2019	Actual 2020	Actual 2021	Actual 2022	2021 Test Year
STEAM POWER MAINTENANCE:								
SUPERVISION AND ENGINEERING	402 - 510	\$ 842,512	• • • • • • •				* - ,	\$ 1,036,964
STRUCTURES	402 - 511	1,202,457	989,059	883,200	777,386	874,175	795,762	793,128
BOILER	402 - 512	7,207,999	9,023,720	8,465,029	5,026,948	6,229,229	6,980,241	8,205,372
ELECTRIC	402 - 513	797,052	2,241,699	2,869,209	1,080,670	2,714,136	2,866,936	2,044,118
MISCELLANEOUS	402 - 514	1,063,183	1,010,467	1,394,309	874,095	921,925	941,350	1,484,118
Total Steam Power Maintenance		11,113,203	14,202,252	14,576,578	8,593,200	11,538,395	12,208,951	13,563,700
HYDRO POWER MAINTENANCE:								
SUPERVISION & ENGINEERING	402 - 541	3,449	2,731	881	3,679	323	345	3,872
STRUCTURES	402 - 542	5,016	12,239	40	66	1,881	26,644	6,264
RESERVOIRS - DAMS	402 - 543	277,357	221,684	250,983	250,800	249,940	265,138	225,645
ELECTRIC	402 - 544	50,242	907	9,908	4,793	3,289	18,437	5,875
MISCELLANEOUS EXPENSE	402 - 545		38			3512	718.33	626
Total Hydro Maintenance		336,064	237,599	261,812	259,338	258,945	311,282	242,282
IC POWER MAINTENANCE WITHOUT	WIND:							
SUPERVISION AND ENGINEERING	402 - 551	85,285	67,972	39,346	22,886	15,715	25,714	93,428
STRUCTURES	402 - 552	124,923	37,358	25,836	30,910	30,733	77,501	211,316
GENERATING AND ELECTRIC	402 - 553	656,222	631,963	443,752	344,215	427,726	1,111,952	445,358
MISCELLANEOUS EXPENSE	402 - 554	26,008	36,124	23,904	32,009	121,757	153,746	27,816
Total IC Maintenance without wind		892,438	773,417	532,839	430,020	595,931	1,368,913	777,918
IC POWER MAINTENANCE WIND ONL	Y:							
SUPERVISION AND ENGINEERING	402 - 551	-	3,698	-	9,597	-	120	-
GENERATING AND ELECTRIC	402 - 553	12,986	42,680	6,919	-	3,488,759	3,624,610	55,073
MISCELLANEOUS EXPENSE	402 - 554	6,338	8,408	87,649	315,907	434,679	239,117	139,210
		19,324	54,787	94,568	325,504	3,923,438	3,863,847	194,283
Additional Contracted Wind Maintenance	e*	179,277	97,888	123,439	84,473	3,354,916	3,362,994	5,163,555
Total Maintenance		\$ 12,540,306	\$ 15,365,943	\$ 15,589,236	\$ 9,692,535	\$ 19,671,625	\$ 21,115,986	\$ 19,941,738

Note: The above numbers are on a calendar year basis. Please see V. Additional Reporting Requirements - MN PUC Order Acting on Electric Utilities' Annual Reports and Requiring Additional Filings Docket Nos. E999/AA-09-961 and E999/AA-10-884 Number 22. for outage information.

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

Big Stone Plant Forced Outage Info

[PROTECTED DATA BEGINS . . .

Outag	e Dates	7	Dura ion		Change in	ו
Start	End	Primary Reason for Outage	(days)	Description of Equipment Failure	Energy Costs	Steps Taken to Alleviate Reoccurrence
4/25/2022	4/28/2022	Maintenance Outage Waterwall Repair	2.46	Furnace tube leak due to thinned tubing caused by sootblower erosion.		This specific area of he boiler has had thorough inspec ion and additional welding to add thickness complete in 2022.
5/26/2022	5/28/2022	Tube leak on screen tube		Tube leak of a screen tube located near the boiler slope floor. A directly contributing factor was an IK Sootblower that was stuck blowing in the boiler.		This was a rare failure occurrence. We have not identified a pattern that would warrant any additional inspec ions above our standard boiler inspection. We have reviewed our standard operating protocol to isolate stuck sootblowers as fast as possible.
7/28/2022	7/30/2022	Boiler Tube Leak		Boiler water wall discharge tube leak due to hinned tubing caused by sootblower erosion.		This was a rare failure occurrence of an area not identified during our last boiler inspection.
11/5/2022	1/1/2023	Bearing #7 Vibration/Exciter - Outage continues into 2023		A concerning step change in exciter bearing vibration was noticed while operating at steady state. The decision was made to take the unit down prior to any damage being done.		The plant is involved in a root cause analysis of the event.
				•	PROTECTED	

DATA ENDS]

Coyote Station Forced Outage Info

[PROTECTED DATA BEGINS . . .

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

DATA ENDS]

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

			* (C)	* (D)						
	(A)	(B)	Wind	Production		* (E)	* (F)	_		
	Date		Delivered				Production		* (G)	(H)
	Delivered	Lost	to OTP	Amount		Lost	Amount		Total	Reason
Month	MWh	MWh	MWh	OTP Paid	<u> </u>	MWh	OTP Paid		OTP Paid	Codes
			IPROTEC	TED DATA B	EG	SINS				
Jan-22										
Feb-22										
Mar-22										
Apr-22										
7.01 22	1 1									
May 22										
May-22	 									
Jun-22										
Jul-22										
Aug-22										
Sep-22										
Oct-22										
Nov-22										
1100 22	<u>├</u>		 		1					
Dec-22										
Dec-22					1					
Total 2022										
	I	I	I	I	1	PRC	DTECTED DA	\T		1 1

Reason Code Explanation:

Reason Codes:

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

2 = low load

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

4 = other - please explain in detail if compensation requested

* Columns C - G are invoiced amounts

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

			* (C)	* (D)				
	(A) Date Paid	(B)	Win Delivered	d Production	* (E)) * (F) ost Production	* (G)	(H)
	Delivered	Lost	to OTP	Amount	Lost	1	Total	Reason
Month	MWh	MWh	MWh	OTP Paid	MW		OTP Paid	Codes
			[PROTEC	TED DATA BEGI	IS			
Jan-22	1/11, 15, 16, 18	2/14/2022						
Feb-22	2/10, 16, 18, 26	3/9/2022						
	3/11, 12, 13, 20, 21,	4/40/0000						
Mar-22	22, 23, 24, 25, 28, 29 4/3, 4, 5, 6, 7, 8, 9, 10,	4/13/2022						
	11, 12, 13, 14, 15, 17,							
	19, 22, 23, 24, 27, 28,							
Apr-22	29	5/10/2022						
	5/1, 6, 7, 8, 9, 10, 11,							
	12, 13, 14, 15, 16, 17,							
May 22	18, 20, 21, 23, 24, 25,	6/12/2022						
May-22	26, 28, 29, 30, 31	6/13/2022						
	6/1, 2, 5, 6, 7, 13, 14, 15, 16, 17, 18, 19, 20,							
	21, 23, 24, 25, 26, 27,							
Jun-22	29, 30	7/13/2022						
	7/1, 4, 6, 9, 10, 11, 12,							
	13, 14, 17, 18, 19, 20,							
	21, 22, 23, 25, 27, 28,							
Jul-22	30, 31 8/1,2,4,5,6,8,9,10,11,1	8/10/2022						
	5,17,18,23,26,27,28,2							
Aug-22	9,30	9/19/2022						
	9/1,2,3,4,5,6,7,8,9,13,							
Son 22	14,15,16,20,21,23,24,	10/12/2022						
Sep-22	25,26,28,29,30 10/3,6,11,12,13,14,	10/12/2022					┨┢─────┤	
	15,20,21,22,23,24,							
Oct-22	25,27,28,30	11/14/2022						
	11/3,6,11,12,13,14,15,							
New 22	20,21,22,23,24,25,27,	10/11/2000						
Nov-22	28,30	12/14/2022					┥┝────┥	
Dec-22	12/2,4,5,11,16,17	1/17/2023						
DC0-22	12/2,4,0,11,10,17	1/11/2023						
Total 2022	2							
					P	ROTECTED DAT	A ENDS]	

Reason Code Explanation:

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

.... PROTECTED DATA ENDS]

Reason Codes:

1 = lack of firm transmission as described in Attachment C of the MISO OATT (or equivalent successor provision) 2 = low load

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

4 = other - please explain in detail if compensation requested

* Columns C - G are invoiced amounts

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

	(A)	(B)	* (C)	* (D) Production	٦	* (E)	* (F)		
	(A) Date Paid		Delivered	FIGUUCION	-		Production	* (G)	(H)
	Delivered	Lost	to OTP	Amount		Lost	Amount	Total	Reason
Month	MWh	MWh	MWh	OTP Paid TED DATA BE		MWh	OTP Paid	OTP Paid	Codes
			IPROIEC	IED DATA BE	G	NJ			
Jan-22	1/15, 16, 18, 21, 27, 29	2/21/2022							
Feb-22	2/4, 5, 8, 15, 16, 18, 19, 20, 26	3/21/2022							
Mar-22	3/11, 12, 13, 20, 21, 22, 23, 24, 25, 28, 29	4/19/2022							
Apr-22	4/4, 7, 9, 10, 14, 17, 22, 23, 24, 27, 28, 29	5/19/2022							
May-22	5/1, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 20, 23, 24, 25, 26, 27, 28, 29, 30, 31	6/17/2022							
Jun-22	6/1, 2, 5, 6, 11, 13, 14, 15, 16, 17, 18, 19, 21, 23, 24, 25, 26, 27, 29, 30	7/25/2022							
Jul-22	7/3, 10, 11, 12, 14, 18, 19, 20, 21, 22, 23, 25, 27, 30, 31	8/17/2022							
Aug-22	8/1,4,5,6,8,9,17,19,27, 28,29,30	9/26/2022							
Sep-22	9/1,2,4,5,13,14,15,20,2 1,23,24,25,26,28,29	10/20/2022							
Oct-22	10/2,3,6,11,12,13, 15,16,20,21,22,23, 24,25,26,27,28,30,31	11/16/2022							
Nov-22	11/1,2,3,4,5,6,7,8,10, 11,17,18,19,21,23,24, 25,26,28	12/15/2022							
Dec-22	12/2,4,5,13,14,16,17, 23,27,28	1/31/2023							
Total 202	2					PRC	DTECTED DAT	A ENDS]	

Reason Code Explanation:

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

.... PROTECTED DATA ENDS]

Reason Codes:

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

2 = low load

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

4 = other - please explain in detail if compensation requested

* Columns C - G are invoiced amounts

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

I. Introduction

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

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

II. The Benefits to Otter Tail Power Company Customers of ASM Participation

Otter Tail Power's ASM Cost and Benefit Analysis

Overview

Otter Tail has been participating in Midwest ISO's (MISO) Ancillary Service Market (ASM) since it started on January 6, 2009. The ASM market has enabled Otter Tail to further optimize generation portfolio revenues by providing regulation and reserves without creating a negative impact on available energy necessary to meet customer needs. The ASM has added value for customers when generating units are below maximum generation levels due to reduced energy prices. The generators can be backed down and still provide spinning reserves at the lower operating levels.

Spinning Reserves

MISO's Spinning Reserves process has provided a net benefit of \$123,359 for the January through December 2022 period (Attachment 16, column R, line 13).

Supplemental Reserves

MISO Supplemental Reserves resulted in a net loss of (\$56,294) for the January through December 2022 period (Attachment 16, column R, line 17).

Regulation

Prior to ASM, Otter Tail scheduled regulation on our system on an hourly basis to meet Balancing Authority control performance criteria requirements. Under the MISO ASM, Otter Tail units are only selected by MISO for regulation when it is

cost effective. Most of the time our units are cleared for energy instead of being held back to provide the MW we used to reserve for regulation. Under ASM, due to regulation clearing and our ability to purchase affordable regulation service, we have more economic energy available from our low-cost generation facilities to serve our customers. Including ASM charge type impact only, MISO's Regulation Reserves resulted in a net benefit of \$63,113 for the January through December 2022 period (Attachment 16, column R, line 4).

Short-Term Reserve

Beginning December 7, 2021, MISO began clearing Short-Term Reserves (STR); a 30-minute rampable generation capacity product provided by on-line or off-line resources to be converted to energy within the STR deployment period (30 minutes). It is co-optimized with energy and ancillary services products. The product separately addresses market-wide, sub-regional and local short-term reserve needs. MISO's Short-Term Reserves resulted in a net benefit of \$39,549 for the January through December 2022 period (Attachment 16, column R, line 9).

Real-Time Excessive/Deficient Energy Deployment Charge Amount

The Real-Time Excessive/Deficient Energy Deployment Charge Amount represents the charge to an Asset Owner owning Generation where the Asset Owner's unit fails to follow Setpoint instructions for four consecutive intervals within 1 hour without an Exemption. This charge consists of taking back any cleared Day Ahead Regulation Operating Reserve payment and any cleared Net Real Time Regulation payment and also assesses a prorated share of the Day Ahead and Real Time Regulation Market cost. During the reporting period of January through December 2022 there was a total of (\$8,358) in penalties assessed to Otter Tail units (Attachment 16, column R, line 19). These are normally mechanical failure situations where the unit fails to follow dispatch for a short time period while small repairs are made.

Real-Time <u>Contingency Deployment Failure Charge Amount</u> The Real-Time Contingency Deployment Failure Charge Amount represents the charge incurred by Resources that fail to deploy Contingency Reserves at or above the Contingency Reserve Deployment Instruction. Again, these would normally be short intervals where some mechanical failure occurred. For the January through December 2022 period, there was a total of (\$37,216) in charges (Attachment 16, column R, line 18).

Net Regulation Adjustment Amount

The Real-Time Net Regulation Adjustment Amount represents a charge (or credit) to a generator to account for energy revenue lost (or gained) by going below (or above) their dispatch target to provide regulation services to the market. For the January through December 2022 period, there was a total of (4,314) in charges (Attachment 16, column R, line 20).

ASM Charge Summary

The transition to the ASM market has been smooth from an operational standpoint. There has also been a positive economic benefit for Otter Tail. Otter Tail has been able to maximize the capabilities of our units to a greater extent, which ultimately has led to greater operational efficiencies for Otter Tail. Otter Tail will continue to develop strategies that will continue to allow the ASM to have a positive impact for our customers.

Otter Tail reviews all MISO charges and credits including ASM charge types on a daily basis.

Attachment 16 provides the summary of ASM hourly charges for the January through December 2022 period, which has provided \$119,840 (column R, line 23) of net ASM revenue.

Attachment 17 provides a summary of hourly MWh related to ASM products for the periods of January through December 2022.

III. Schedule 17 Costs

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

IV. No Double Recovery of Costs

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

The fixed costs of generation included in base rates reflect the Capacity reserve requirement established under Module E of the MISO Tariff (resource adequacy) costs. In addition, the start of the ASM and MISO's role as regional balancing authority means Otter Tail (as a balancing authority) can purchase rather than self-provide the regulating reserve and spinning reserve requirements imposed by NERC reliability standards. The costs of regulating reserve and spinning reserve 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

b Mar 20 Fee 2 Mar 20 Fee 2 Mar 20 Mar 20 Mar 20 Mar 20			(A)		(B)		(C)		(D)		(E)	(F)	(G)	(H)		(1)	(J)	(K)	(L)	1 [(M)	(N)	(O)	(P)		(Q)	(R)
 I month I month	Line No.	J	an-22	F	eb-22	N	lar-22				Apr-22	May-22	Jun-22			Jul-22	Aug-22	Sep-22			Oct-22	Nov-22	Dec-22				
a b b b c	Day Ahead Regulation 1 Amount	\$	20,689	\$	24,408	\$	37,404	\$	82,500	\$	35,570 \$	34,934 \$	31,922	\$ 102,425	s	36,209 \$	21,889	\$ 32,997	\$ 91,094	\$	8,098	\$ 22,966 \$	16,512	\$ 47,577		\$ 323,596	\$ 148,338
a b b b b c	2 Real Time Regulation Amount	s	(3.020)	s	27.037	s	(1.448)	s	22.568	s	(9.588) \$	(6.640) \$	2.334	\$ (13.893)	s	15.841 \$	6.988	\$ 13.217	\$ 36.046	s	3.767	\$ (6.032) \$	57.374	\$ 55.109		\$ 99.830	\$ 45.762
Andres Andre Andre Andre <td></td> <td>\$</td> <td>(19,479)</td> <td>\$</td> <td>(20,115)</td> <td>)\$</td> <td>(22,460)</td> <td></td> <td></td> <td>\$</td> <td>(25,572) \$</td> <td>(36,233) \$</td> <td>(23,042)</td> <td></td> <td>\$</td> <td>(16,487) \$</td> <td></td> <td>\$ (19,699</td> <td></td> <td></td> <td>(23,042)</td> <td>\$ (26,956) \$</td> <td>(32,126)</td> <td>\$ (82,124)</td> <td>)</td> <td></td> <td></td>		\$	(19,479)	\$	(20,115))\$	(22,460)			\$	(25,572) \$	(36,233) \$	(23,042)		\$	(16,487) \$		\$ (19,699			(23,042)	\$ (26,956) \$	(32,126)	\$ (82,124))		
b b	4 Regulation Subtotal	\$	(1,810)	\$	31,330	\$	13,495	\$	43,015	\$	410 \$	(7,940) \$	11,213	\$ 3,684	\$	35,562 \$	8,342	\$ 26,516	\$ 70,420	\$	(11,177)	\$ (10,022) \$	41,760	\$ 20,562		\$ 137,680	\$ 63,113
b b																									+		
6 6 7	5 Reserve Amount	\$	24,744	\$	28,534	\$	14,230	\$	67,508	\$	28,781 \$	23,606 \$	18,970	\$ 71,357	\$	14,146 \$	2,536	\$ 20,178	\$ 36,860	\$	2,523	\$ 7,446 \$	17,251	\$ 27,220		\$ 202,945	\$ 93,031
2 Display 6 (0.700) 5 (7.740) 5 (0.770) <th< td=""><td></td><td>\$</td><td>1,424</td><td>\$</td><td>(1,005)</td><td>)\$</td><td>(375)</td><td>\$</td><td>44</td><td>\$</td><td>(1,076) \$</td><td>428 \$</td><td>360</td><td>\$ (287)</td><td>\$</td><td>682 \$</td><td>134</td><td>\$ 605</td><td>\$ 1,422</td><td>\$</td><td>196 \$</td><td>\$ (124) \$</td><td>82,139</td><td>\$ 82,210</td><td></td><td>\$ 83,389</td><td>\$ 38,226</td></th<>		\$	1,424	\$	(1,005))\$	(375)	\$	44	\$	(1,076) \$	428 \$	360	\$ (287)	\$	682 \$	134	\$ 605	\$ 1,422	\$	196 \$	\$ (124) \$	82,139	\$ 82,210		\$ 83,389	\$ 38,226
a b a b a b a b a b	7 Distribution Amount	\$	(9,798)	\$	(10,050))\$	(7,568)	\$	(27,416)	\$	(15,272) \$	(13,752) \$	(7,125)	\$ (36,149)	\$	(5,439) \$	(2,422)	\$ (5,520) \$ (13,381	\$	(4,232)	\$ (11,386) \$	6 (107,495)	\$ (123,113))	\$ (200,059)	\$ (91,708)
a b	Deployment Failure Charge	s	-	\$	-	\$	-	\$	-	\$	- \$	- \$		s -	\$	-			\$-					ş -		\$-	\$-
0 0	Short-Term Reserve 9 Subtotal	\$	16,370	\$	17,479	\$	6,286	\$	40,136	\$	12,434 \$	10,282 \$	12,205	\$ 34,921	\$	9,389 \$	249	\$ 15,263	\$ 24,901	\$	(1,513)	\$ (4,064) \$	6 (8,106)	\$ (13,683))	\$ 86,275	\$ 39,549
0 0																									+		
1 North \$ (6,04) \$ \$ (7,06) \$ (7,06) \$ (1,025) \$	Day Ahead Spinning Reserve 10 Amount	\$	36,556	\$	41,348	\$	40,575	\$	118,480	\$	82,681 \$	74,594 \$	32,832	\$ 190,108	\$	32,316 \$	18,104	\$ 26,773	\$ 77,194	\$	17,431 \$	\$ 35,059 \$	5,249	\$ 57,739		\$ 443,521	\$ 203,312
2 Destholino Amount \$ (13.88) \$ (14,919) \$ (27.95) \$ (33.78) \$ (27.95) \$ (33.78) \$ (16.76) \$ <td>Real Time Spinning Reserve 11 Amount</td> <td>\$</td> <td>(8,504)</td> <td>\$</td> <td>(3,571)</td> <td>)\$</td> <td>(7,006)</td> <td>\$</td> <td>(19,081)</td> <td>\$</td> <td>(15,828) \$</td> <td>(934) \$</td> <td>10,092</td> <td>\$ (6,669)</td> <td>\$</td> <td>13,655 \$</td> <td>(24,880)</td> <td>\$ 19,632</td> <td>\$ 8,407</td> <td>\$</td> <td>(195) \$</td> <td>\$ (3,951) \$</td> <td>104,688</td> <td>\$ 100,542</td> <td></td> <td>\$ 83,199</td> <td>\$ 38,139</td>	Real Time Spinning Reserve 11 Amount	\$	(8,504)	\$	(3,571))\$	(7,006)	\$	(19,081)	\$	(15,828) \$	(934) \$	10,092	\$ (6,669)	\$	13,655 \$	(24,880)	\$ 19,632	\$ 8,407	\$	(195) \$	\$ (3,951) \$	104,688	\$ 100,542		\$ 83,199	\$ 38,139
- -	Spinning Reserve Cost 12 Distribution Amount	\$	(13,688)	\$	(14,199))\$	(20,834)	\$	(48,721)	\$	(27,956) \$	(33,878) \$	(22,621)	\$ (84,456)	\$	(7,661) \$	(15,704)	\$ (10,258) \$ (33,624	\$	(22,827)	\$ (34,669) \$	(33,319)	\$ (90,815))	\$ (257,614)	\$ (118,092)
4 Rear Amount 5 13.19 5 1.4.90 5 1.4.90 5 1.4.90 5 2.7.90 5 3.0.90 5 7.3.60 5 3.2.20 5 1.3.240	13 Spinning Reserve Subtotal	\$	14,365	\$	23,578	\$	12,735	\$	50,678	\$	38,897 \$	39,782 \$	20,304	\$ 98,983	\$	38,310 \$	(22,480)	\$ 36,148	\$ 51,977	\$	(5,591)	\$ (3,561) \$	76,619	\$ 67,467		\$ 269,106	\$ 123,359
4 Rear Amount 5 13.19 5 1.4.90 5 1.4.90 5 1.4.90 5 2.7.90 5 3.0.90 5 7.3.60 5 3.2.20 5 1.3.240																									—		
5 8 6.7463 5 (6.746)		\$	13,193	\$	11,490	\$	8,778	\$	33,462	\$	14,794 \$	22,793 \$	38,093	\$ 75,680	\$	73,670 \$	31,252	\$ 13,249	\$ 118,170	\$	6,230	\$ 5,610 \$	25,001	\$ 36,841		\$ 264,153	\$ 121,089
6 0	Real Time Supplemental 15 Reserve Amount	\$	(6,746)	\$	(4,442))\$	(2,552)	s	(13,740)	\$	(3,918) \$	(20,684) \$	(5,257)	\$ (29,859)	s	12,691 \$	(12,382)	\$ 4,355	\$ 4,663	\$	(1,397)	\$ 2,098 \$	(307,701)	\$ (307,000))	\$ (345,936)	\$ (158,579)
7 Subotal \$ 3,998 \$ 4,76 \$ \$ 4,76 \$ \$ <th< td=""><td>Supplemental Reserve Cost Distribution Amount</td><td>\$</td><td>(2,450)</td><td>\$</td><td>(2,291)</td><td>)\$</td><td>(1,679)</td><td>\$</td><td>(6,420)</td><td>\$</td><td>(2,822) \$</td><td>(2,363) \$</td><td>(3,968)</td><td>\$ (9,153)</td><td>\$</td><td>(13,051) \$</td><td>(4,323)</td><td>\$ (3,586</td><td>) \$ (20,960</td><td>\$</td><td>(3,102)</td><td>\$ (1,770) \$</td><td>383</td><td>\$ (4,489)</td><td>)</td><td>\$ (41,021)</td><td>\$ (18,804)</td></th<>	Supplemental Reserve Cost Distribution Amount	\$	(2,450)	\$	(2,291))\$	(1,679)	\$	(6,420)	\$	(2,822) \$	(2,363) \$	(3,968)	\$ (9,153)	\$	(13,051) \$	(4,323)	\$ (3,586) \$ (20,960	\$	(3,102)	\$ (1,770) \$	383	\$ (4,489))	\$ (41,021)	\$ (18,804)
B Deprovement Failure Charge S - S S S S S S S S	Supplemental Reserve	\$	3,998	\$	4,756	\$	4,548	\$	13,302	\$	8,055 \$	(254) \$	28,868	\$ 36,668	\$	73,309 \$	14,547	\$ 14,018	\$ 101,874	\$	1,731	\$ 5,937 \$	6 (282,317)	\$ (274,648))	\$ (122,804)	\$ (56,294)
B Deprovement Failure Charge S - S S S S S S S S																									\square		1
9 Encry Deployment Charge \$ (2,014) \$ (2,560) \$ (1,786) \$ (6,360) \$ (236) \$ (1,308) \$ (2,560) \$ (1,786) \$ (6,360) \$ (236) \$ (2,186) \$ (3,646) \$ (3,646) \$ (1,62) \$ (1,868) \$ (18,23) \$ <td></td> <td>\$</td> <td>-</td> <td>\$</td> <td>-</td> <td>\$</td> <td>-</td> <td>\$</td> <td>-</td> <td>\$</td> <td>- \$</td> <td>- \$</td> <td>(7)</td> <td>\$ (7)</td> <td>s</td> <td>-</td> <td></td> <td></td> <td>\$ -</td> <td></td> <td></td> <td>\$</td> <td>6 (81,178)</td> <td>\$ (81,178)</td> <td>)</td> <td>\$ (81,185)</td> <td>\$ (37,216)</td>		\$	-	\$	-	\$	-	\$	-	\$	- \$	- \$	(7)	\$ (7)	s	-			\$ -			\$	6 (81,178)	\$ (81,178))	\$ (81,185)	\$ (37,216)
Net Regulation Adjustment S 1,128 S (4,118) (664) S (3,654) S 1,989 S 51 S (4,904) S (994) S (24,599) S (55) S 1,026 S 16,231 S (9,412) S (4,314) Manuation Adjustment S 1,128 S (4,118) S (664) S (3,654) S (16,701) S (4,904) S (994) S (24,599) S 1,026 S <		s	(2.014)	s	(2.560)) \$	(1.786)	s	(6.360)	s	(966) \$	(236) \$	(1,308)	\$ (2,509)	s	(2.649) {	(2.186)	\$ (3.646) \$ (8,481	\$	(162)	§ 1.148 \$	(1.868)	\$ (882)		\$ (18,232)	\$ (8,358)
22 Other Charge Subtotal \$ (886) \$ (6,678) \$ (2,451) \$ (10,014) \$ (1,829) \$ 1,753 \$ (800) \$ (876) \$ (21,350) \$ (7,090) \$ (4,640) \$ (33,080) \$ (217) \$ 2,174 \$ (66,816) \$ (64,859) \$ \$ (108,828) \$ (49,888)										\$	() •	(+			Ť								(.,)				
	21 Real Time Miscellaneous	\$	-	\$	-	\$	-	s	-	\$	- \$	- \$		s -	s	-			\$-					s -		\$-	\$-
13 TOTAL \$ 32,037 \$ 70,465 \$ 34,614 \$ 137,116 \$ 57,967 \$ 43,624 \$ 71,790 \$ 173,380 \$ 135,221 \$ (6,432) \$ 87,304 \$ 216,093 \$ (16,765) \$ (9,536) \$ (238,859) \$ (265,160) \$ 261,428 \$ 119,840	22 Other Charge Subtotal	\$	(886)	\$	(6,678))\$	(2,451)	\$	(10,014)	\$	(1,829) \$	1,753 \$	(800)	\$ (876)	\$	(21,350) \$	(7,090)	\$ (4,640) \$ (33,080	\$	(217)	\$ 2,174 \$	66,816)	\$ (64,859))	\$ (108,828)	\$ (49,888)
	23 TOTAL	\$	32,037	\$	70,465	\$	34,614	\$	137,116	\$	57,967 \$	43,624 \$	71,790	\$ 173,380	\$	135,221 \$	(6,432)	\$ 87,304	\$ 216,093	\$	(16,765)	\$ (9 <u>,</u> 536) \$	(238,859)	\$ (265,160)		\$ 261,428	\$ 119,840

Summary of 12 ASM Charge Types (MWH)

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

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

Montly Average Schedule 17 Amount

January '09 through December '09	\$	68,439.00
January '10 through December '10	\$	67,171.00
January '11 through June '11	\$	67,418.00
July '11 through July '12	\$	60,573.57
July '12 through June '13	\$	62,582.95
July '13 through June '14	\$	59,249.43
July '14 through June '15	\$	52,206.79
July '15 through June '16	\$	52,282.71
July '16 through June '17	\$	54,561.27
July '17 through June '18	\$	64,940.78
July '18 through December '19	\$	65,679.88
January '20 through December '20	\$	62,585.46
January '21 through December '21	\$	64,618.00
January '22 through December '22	\$	69,777.03
January '22 through December '22 Average monthly increase from prior period	\$ \$	69,777.03 5,159.03
Average monthly increase from prior period		
Average monthly increase from prior period Montly Average Schedule 17 Rate per MWh	Ş	5,159.03
Average monthly increase from prior period Montly Average Schedule 17 Rate per MWh January '09 through December '09	\$ \$	5,159.03 0.09750
Average monthly increase from prior period Montly Average Schedule 17 Rate per MWh January '09 through December '09 January '10 through December '10	\$ \$ \$	5,159.03 0.09750 0.09380
Average monthly increase from prior period Montly Average Schedule 17 Rate per MWh January '09 through December '09 January '10 through December '10 January '11 through June '11	\$ \$ \$ \$	5,159.03 0.09750 0.09380 0.09300
Average monthly increase from prior period Montly Average Schedule 17 Rate per MWh January '09 through December '09 January '10 through December '10 January '11 through June '11 July '11 through July '12	\$ \$ \$ \$ \$	5,159.03 0.09750 0.09380 0.09300 0.09040
Average monthly increase from prior period Montly Average Schedule 17 Rate per MWh January '09 through December '09 January '10 through December '10 January '11 through June '11 July '11 through July '12 July '12 through June '13	\$ \$ \$ \$ \$ \$	5,159.03 0.09750 0.09380 0.09300 0.09040 0.08820
Average monthly increase from prior period Montly Average Schedule 17 Rate per MWh January '09 through December '09 January '10 through December '10 January '11 through June '11 July '11 through July '12 July '12 through June '13 July '13 through June '14	\$ \$ \$ \$ \$ \$ \$ \$	5,159.03 0.09750 0.09380 0.09300 0.09040 0.08820 0.07656

\$ 0.08239 \$ 0.08589

\$ 0.08917 \$ 0.08240

\$ 0.08002

July '17 through June '18

July '18 through December '19 January '20 through December '20

January '21 through December '21 January '22 through December '22

Average monthly increase from prior period \$ (0.00238)

MN Capacity Auction Revenues 2022

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

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

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

Appendix A – Section 2

The information provided in Appendix A addresses certain compliance obligations from annual reporting requirements pursuant to Minn. R. 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges and June 12, 2019, Orders in Docket No. E999/CI-03-802 and Docket No. E017/AA-20-462.

SECTION 2.1 - MINN. R. 7825.2810 Subpart 1.A. Commission Approved Base Cost of Fuel

No recovery of fuel costs is included in Otter Tail's base rates effective January 1, 2021.¹ All recovery is in the Energy Adjustment Rider – Electric Rate Schedule - Section 13.01. Attachment 4 - is now the most current Schedule approved in Docket No. E017/AA-22-214 in an Order dated December 29, 2022. This Order authorized inclusion of Planning Resource Auction revenues and costs in 2023 Energy Adjustment Rider rates.

SECTION 2.2 - MINN. R. 7825.2810 Subpart 1.B. Billing Adjustment Amounts

Otter Tail provides the following Attachments with a break down by primary energy source:

- 1. Attachment 5 kWh Sales by Primary Energy Source for the period of January to December 2022.
- 2. Attachment 6 Energy Cost by Primary Energy Source.
- 3. Attachment 7 marked as NOT PUBLIC Monthly Cost Components from January 2007 to present which includes the cost of delivered coal by plant, natural gas, oil, and wholesale purchases without Revenue Sufficiency Guarantee (RSG) and Revenue Neutrality Uplift (RNU) charges.

SECTION 2.3 - MINN. R. 7825.2810 Subpart 1.D. The Total Cost of Fuel Delivered to Customers

Attachments 2 and 3 to this filing provide further details on forecasted and actual costs for 2022 as summarized in the table below. These amounts include MISO Planning Reserve Auction revenues received and accounted for in 2022.

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

¹ In the Commission's November 5, 2019 Order in Docket No. E999/CI-03-802, OTP was ordered in its next rate case to "demonstrate that its proposed base rates exclude Fuel Clause Adjustment-related costs." This order requires OTP to remove base cost of energy from base rates and include all FCA eligible costs in the EAR. Otter Tail complied with that Order in it's last rate case, Docket No. E017/GR-20-719

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

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

SECTION 2.4 - MINN. R. 7825.2810 Subpart 1.E. Revenue Collected From Customers for Energy Delivered

The following table summarizes total recovery realized from approved rates from 2022 relative to costs incurred:

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

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

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

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

During 2022, there were no credit balances refunded to customers through the energy adjustment rider.

Appendix A – Section 3

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

2022 Actual

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

Regulatory Background on MISO Costs:

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

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

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

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

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

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

a) plans for use of financial instruments or other mechanisms to hedge the costs of natural gas or other fuels, [PROTECTED DATA BEGINS ...

...PROTECTED DATA ENDS]

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

[PROTECTED DATA BEGINS ...

.. PROTECTED DATA ENDS]

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

2022 Actual Results:

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

Otter Tail's FTR Hedging Approach:

For 2022, the Company had no specific plans to purchase additional FTRs beyond those held through the normal allocation process. In some situations, the Company may sell allocated FTRs back to the market when a unit is off-line for extended maintenance and/or a unit is expected to be economically de-committed due to low wholesale energy prices. Under such circumstances these FTRs do not serve to hedge energy flows between generation and load. In addition, the Company may choose to purchase additional FTRs for bilateral purchases if a monthly or seasonal FTR is anticipated to provide a reasonable hedge against congestion costs.

Historically, purchasing FTRs to hedge a bilateral purchase has been a very infrequent occurrence.

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

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

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

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

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

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

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

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

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

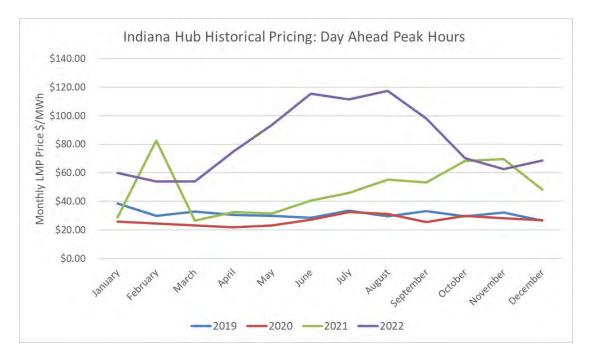
Total net MISO charges for 2022 were \$88.2 million as found on line 54 of Attachment 9.

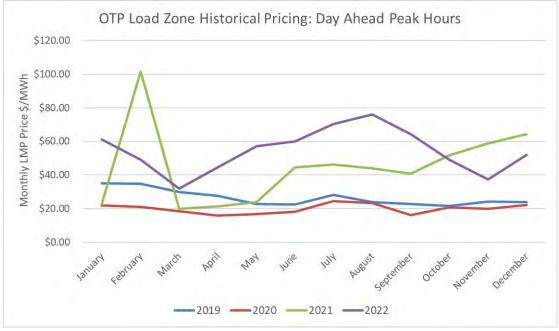
MISO Market Overview for 2022:

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

PUBLIC DOCUMENT – NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-21-311 Appendix A Section 3 Page 6 of 9

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



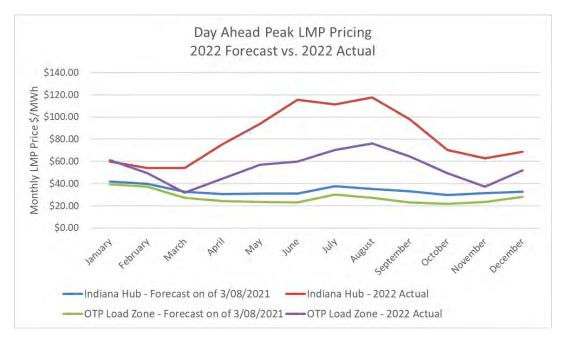


2022 Indiana Hub DA peak LMP pricing experienced an approximate 68% increase from 2021 and 130% increase from the previous 3-year average. Similarly, Otter Tail load zone LMP pricing experienced an approximate 21% increase from 2021 and 79% increase from the previous 3-year average.

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

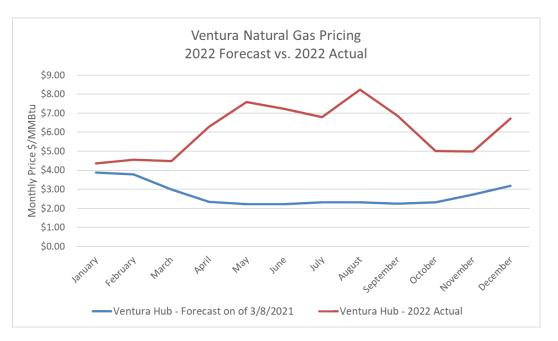
To develop a forecast for the Otter Tail Power load zone, Otter Tail utilizes the daily forward Indiana Hub price curves published by Intercontinental Exchange, Inc (ICE). Otter Tail analyzes historical pricing basis between the Indiana Hub and Otter Tail load zone, evaluates historical market conditions, and considers current and future market expectations to develop an Otter Tail load zone forecast. As the Indiana Hub actual pricing deviates from forecasted pricing, the Otter Tail load zone will similarly deviate. The 2022 Otter Tail load zone forecast utilized the

March 8, 2021 Indiana Hub forward price curve. The Indiana Hub and Otter Tail load zone curves, forecast vs actual, are shown in the below graph.



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

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



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

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

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

Otter Tail also saw continued and significant increases in revenue from its Financial Transmission Rights (FTR) portfolio in 2022. As the northwestern region of MISO continues to see increasing penetration of renewable generation, combined with line outages and upgrades necessary to accommodate renewable generation expansion and interconnection, congestion continues to significantly increase between Otter Tail base load units and the Otter Tail load zone. This is particularly true of Otter Tail's Big Stone Plant and Coyote Station, both of which are located within increasingly constrained transmission pockets. Increased hourly FTR revenue is detailed in line 56 of Attachment 3. For the same reasons, Otter Tail experienced a

PUBLIC DOCUMENT – NOT PUBLIC (OR PRIVILEGED) DATA HAS BEEN EXCISED Docket No. E017/AA-21-311 Appendix A Section 3 Page 9 of 9

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

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

Actual:

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

Background:

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

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

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

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

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

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

Further Information on Otter Tail Load in SPP

Otter Tail maintains load served within the SPP Balancing Authority (BA). Prior to WAPA joining SPP, Otter Tail would schedule energy out of the MISO system and into the WAPA system. This was an energy export out of MISO and therefore was charged under the MISO DA Non-Asset Energy Amount charge type. In response to WAPA joining the SPP market, Otter Tail determined it was in our customers' best interest to pseudo tie that load in the SPP BA out of SPP and back into MISO. Pseudo tying load allows for MISO to serve and regulate load outside their BA as if it were inside their BA. As a result, this eliminated the need for a daily export of energy and the DA Non-Asset Energy charge for Otter Tail load in WAPA/SPP BA dropped to zero. WAPA still maintains some of its municipal and agency loads within MISO, which requires WAPA to inject energy into MISO for which Otter Tail receives credit. While these credits have always been included in prior MISO reporting, they are now much more visible as they are no longer netted against the charges associated with energy exports used to serve Otter Tail load in the WAPA/SPP BA.

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

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

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

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

Background: Use of Virtual Transactions / Other Hedging Tools within MISO/SPP

Since the beginning of the MISO Day 2 market, Otter Tail has very rarely utilized virtual transactions on behalf of retail customers. For retail load serving purposes, the Company may occasionally use virtual transactions to convert bilateral purchases between the day-ahead and real-time markets. For instance, some bilateral purchases are designed to settle in the real-time market while the Company clears its load in the day-ahead market. Therefore, a virtual transaction might be used to convert the real-time purchase to the day-ahead market so that the purchase more accurately hedges the Company's load.

Within SPP, where Otter Tail pseudo ties its load back into MISO, we are required to pay real time congestion and loss differences between our energy injection point into the SPP footprint (MISO/SPP boundary) and our energy withdrawal point (Otter Tail load within the SPP footprint). We are also entitled to request/nominate Transmission Congestion Rights (TCRs) between those two points due to Otter Tail ownership of Network Integrated Transmission Service (NITS) to serve our load. If nominated, and granted, TCRs would hedge against day-ahead congestion between the Otter Tail injection and withdrawal points. However, since Otter Tail's pseudo tie congestion charges are based on real time congestion, utilization of virtual transactions could potentially be used to move the real time congestion charges into the day ahead market. This would align congestion costs with the Otter Tail TCRs, potentially producing a better hedging mechanism. To date OTP has not utilized TCR and virtual transactions for our SPP load because congestion pricing at the injection point tends to be higher than congestion pricing at the withdrawal point. In the future, market pricing conditions could potentially change, leaving open the possibility that Otter Tail might utilize TCRs and virtual transactions to minimize cost to Otter Tail customers.

In accordance with the February 6, 2008, Order issued by the Commission, on page 9:

18. All electric utilities shall include in future annual automatic adjustment filings the actual expenses pertaining to maintenance of generation plants, with a comparison to the generation maintenance budget from the utility's most recent rate case.

Attachment 12 contains actual generation maintenance expenses for 2017 through 2022 and the 2021 test year budget from the most recent rate case. Total 2022 maintenance expenses were \$21.1M as compared to \$19.9M for the 2021 rate case test year.

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

See Attachment 9 and Attachment 10.

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

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

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

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

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

Information Sharing/Lessons Learned:

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

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

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

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

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

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

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

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

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

One additional source of information which Otter Tail finds beneficial is through Otter Tail's insurance provider. When issues occur at other plants which the insurance provider is involved, it is common for the provider to share information with other companies so that similar situations can be avoided or mitigated if possible. In general, attendance or participation at relevant conferences, training, or users groups is more effective than information sharing between utilities that may be neighbors, but that do not have similar generation technologies and/or equipment.

Planned Outages

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

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

Actual planned outages taken during 2022 were as follows:

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

Forced Outages

Otter Tail's generators experienced an aggregate of ten forced outages in excess of 24 hours over the January through December 2022 period; four at the Big Stone Plant and six at Coyote Station.

A summary of these forced outages for this reporting period can be found in **Attachment 13** (marked as NOT PUBLIC), providing a brief overview of the following aspects of each forced outage:

- a. Dates of Outage
- b. Primary Reason for Outage
- c. Duration of Outage
- d. Description of Equipment Failure
- e. Change in Energy Costs
- f. Steps Taken to Alleviate Reoccurrence

Of the ten forced outages experienced during the reporting period, eight of those outages were tube leaks, one due to boiler cleanliness and another related to a generator. Otter Tail estimates that the aggregate cost of the replacement power for forced outages was **[PROTECTED DATA BEGINS ...**

... PROTECTED DATA ENDS] . Of that [PROTECTED DATA BEGINS PROTECTED DATA ENDS] was associated with the Big Stone forced outage due to bearing #7 vibration/exciter . As discussed elsewhere in this filing, market prices were higher in 2022 at the times of the outages.

25. Otter Tail shall correctly report congestion and firm transmission rights costs and revenues (currently reflected in the Day-Ahead and Real-Time Energy sections of its AAA report) in the congestion and firm transmission rights sections of its report starting with a revised or supplemental filing for the fiscal-year 2011 report, in Docket No. E999/AA-11-792.

Otter Tail incurs congestion costs when moving energy from its resources (generators and purchased power agreements) to load. The combined DA and RT congestion costs incurred within MISO for the January through December 2022 period were (\$36,109,324) (system basis). To offset these congestion costs in MISO, the company is allocated Auction Revenue Rights (ARRs) which can subsequently be self-scheduled into Financial Transmission Rights (FTRs). For the AAA period, the total of the congestion offsets (MISO FTR Revenues) was \$61,178,401 (system basis) for a net MISO congestion revenue of \$25,069,077 (system basis).

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

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

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

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

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

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

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

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

Otter Tail has no activity to report for this item.

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

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

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

See Attachment 4 – paragraph 3.

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

There were no credits issued for reporting period of January to December 2022.

3. Track all curtailments and curtailment payments and report them in its monthly fuel clause adjustment and AAA filings.

Attachment 14 (marked as NOT PUBLIC) contains the curtailment costs incurred for the January through December 2022 time frame.

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 2012 annual filings.

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

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

See Attachment 16, Attachment 17, and Attachment 18.

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

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

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

See Attachment 15.

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

See Attachment 15.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Procurement and Contracting

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

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

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

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

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

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

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

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

Use of Risk Management Provisions

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

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

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

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

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

During the 2022 annual reporting period Otter Tail successfully used contract provisions in mitigating delays in the delivery of metal racking components for a utility scale solar project. The Supplier was given formal notice that portions of their deliveries were late, and as a result liquidated damages were assessed per the contract to cover Otter Tail's expenses incurred as a result of the delays. Our equipment designer and manufacturer of the Astoria Station Gas Turbine project was given formal notice of contract warranty provisions in three different matters; 1.) for the repair of damaged expansion joints 2.) cracking on air pipe support welds and 3.) for defective design on the fire mist system. Otter Tail also cited contract requirements for the manufacturer to perform a root cause investigation regarding the repeated failures in the expansion joint and to make repairs or adjustments necessary to correct the root cause identified in the root cause investigation. Appendix B Docket No. E017/AA-21-311 Rule 7825.2820 Independent Auditor's Report



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

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

INDEPENDENT ACCOUNTANT'S REPORT

Otter Tail Power Company:

We have performed the procedures enumerated below related to Otter Tail Power Company's (the "Company") forecasted Energy Adjustment Charges filed on Docket No. E017/AA-21-311 with the Minnesota Public Utilities Commission (the "Commission") for the period from January 1, 2022 to December 31, 2022, in accordance with the Commission Rules 7825.2500 to 7825.2820 governing automatic adjustment of energy charges, along with the Energy Adjustment Rider, as defined in Docket No. E-999/CI-03-802 by order of the Commission ("the subject matter"). The Company's management is responsible for the subject matter.

Otter Tail Power Company has agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of assisting the specified parties in evaluating compliance with the subject matter. The procedures performed are specified in Docket No. E-999/AA-15-611 by order of the Commission.

We make no representation regarding the appropriateness of the procedures either for the purpose for which our report has been requested or for any other purpose. Accordingly, this report may not be suitable for either the purpose of which this report has been requested or for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

Our procedures and findings are as follows:

- a. We compared a random sample of twelve invoices received from the Company's energy suppliers to the amount recorded and paid by the Company and found them to be in agreement.
- b. We obtained the base costs of power approved by the Commission (MN Public Utilities Commission – Approved Base Costs of Power, Docket E017/GR-20-719) and compared the base costs of power to the bases used by the Company in calculating the billing adjustment each month and found them to be in agreement.
- c. We recalculated the billing adjustment charge (credit) per kWh charged to customers for purchased power on a monthly basis for the period January 1, 2022 through December 31, 2022, by customer class. We identified no exceptions between our recalculation and the Company's reported adjustment.
- d. We compared the revenues billed to customers for energy delivered for the year ended December 31, 2022 as included within the Company's energy adjustment calculation filing, to the total sales of electric energy per the Company's general ledger and found them to be in agreement.
- e. We obtained twelve individual billings across all customer classes and recalculated the energy adjustment charge (credit). We compared the recalculated charge (credit) per the customer bill to the energy adjustment charge (credit) as reported by the Company for that customer class in the energy adjustment calculation filing and found them to be in agreement.

- f. We inquired of the Company's management whether any corrections to energy adjustment charges or other billing errors occurred during the period. The Company's management stated that they did not identify any corrections to energy adjustment charges or other billing errors for the period January 1, 2022 through December 31, 2022.
- g. We reperformed a reconciliation of total revenue and cost of power from the energy adjustment calculation filing to the Company's general ledger for the period from January 1, 2022 to December 31, 2022 and found them to be in agreement.
- h. We recalculated the true-up calculation included within the energy adjustment calculation filing, and traced the related revenue and expense amounts to the Company's general ledger and found them to be in agreement.

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

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

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

Deloste & Tarche LLP

February 27, 2023

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



February 28, 2023

Notice of Availability of Reports

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

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

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

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

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

Sincerely,

/s/ STUART TOMMERDAHL Stuart Tommerdahl Manager, Regulatory Administration

CERTIFICATE OF SERVICE

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

I, Valerie Moxness, hereby certify that I have this day served a copy of the following, or a summary thereof, on Will Seuffert and Sharon Ferguson by e-filing, and to all other persons on the attached service list by electronic service or by First Class Mail.

Otter Tail Power Company Initial Filing

Dated this 28th day of February 2023.

/s/ Valerie Moxness

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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_15-1033_Official Service List
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_15-1033_Official Service List
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.st ate.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_15-1033_Official Service List
Charles	Drayton	charles.drayton@enbridge. com	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600 Edina, MN 55435	Electronic Service	No	OFF_SL_15-1033_Official Service List
Remi	Engbers	remi.engbers@woodsfuller. com	Woods, Fuller, Shultz & Smith P.C.	300 S Phillips Ave Ste 300 PO Box 5027 Sioux Falls, SD 57117-5027	Electronic Service	No	OFF_SL_15-1033_Official Service List
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_15-1033_Official Service List
Catherine	Fair	catherine@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	Electronic Service	No	OFF_SL_15-1033_Official Service List
Sharon	Ferguson	sharon.ferguson@state.mn .us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_15-1033_Official Service List
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_15-1033_Official Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Bruce	Gerhardson	bgerhardson@otpco.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Adam	Heinen	aheinen@dakotaelectric.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_15-1033_Official Service List
Annete	Henkel	mui@mnutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_15-1033_Official Service List
Richard	Johnson	Rick.Johnson@lawmoss.co m	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Nick	Kaneski	nick.kaneski@enbridge.co m	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_15-1033_Official Service List
Bill	Lachowitzer	blachowitzer@ibewlocal94 9.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_15-1033_Official Service List
James D.	Larson	james.larson@avantenergy .com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-1033_Official Service List
Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	No	OFF_SL_15-1033_Official Service List
Joseph	Meyer	joseph.meyer@ag.state.mn .us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131	Electronic Service	Yes	OFF_SL_15-1033_Official Service List
Andrew	Moratzka	andrew.moratzka@stoel.co m	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_15-1033_Official Service List

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

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

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_20-719_Official
Catherine	Fair	catherine@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	Electronic Service	No	OFF_SL_20-719_Official
Michael	Fairbanks	Michael.Fairbanks@whitee arth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official
Sharon	Ferguson	sharon.ferguson@state.mn .us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_20-719_Official
Jessica	Fyhrie	jfyhrie@otpco.com	Otter Tail Power Company	PO Box 496 Fergus Falls, MN 56538-0496	Electronic Service	No	OFF_SL_20-719_Official
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_20-719_Official
Bruce	Gerhardson	bgerhardson@otpco.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_20-719_Official
Adam	Heinen	aheinen@dakotaelectric.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_20-719_Official
Annete	Henkel	mui@mnutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_20-719_Official
Kristin	Henry	kristin.henry@sierraclub.or g	Sierra Club	2101 Webster St Ste 1300 Oakland, CA 94612	Electronic Service	No	OFF_SL_20-719_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Katherine	Hinderlie	katherine.hinderlie@ag.stat e.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	Yes	OFF_SL_20-719_Official
Faron	Jackson, Sr.	faron.jackson@llojibwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW Cass Lake, MN 56633	Electronic Service	No	OFF_SL_20-719_Official
Richard	Johnson	Rick.Johnson@lawmoss.co m	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Nick	Kaneski	nick.kaneski@enbridge.co m	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_20-719_Official
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Bill	Lachowitzer	blachowitzer@ibewlocal94 9.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_20-719_Official
James D.	Larson	james.larson@avantenergy .com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	Yes	OFF_SL_20-719_Official
Kavita	Maini	kmaini@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Paper Service	No	OFF_SL_20-719_Official
Joseph	Meyer	joseph.meyer@ag.state.mn .us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131	Electronic Service	No	OFF_SL_20-719_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Tim	Miller	Tim.Miller@mrenergy.com	Missouri River Energy Services	3724 W Avera Dr PO Box 88920 Sioux Falls, SD 57109-8920	Electronic Service	No	OFF_SL_20-719_Official
Andrew	Moratzka	andrew.moratzka@stoel.co m	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official
Matthew	Olsen	molsen@otpco.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_20-719_Official
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_20-719_Official
David G.	Prazak	dprazak@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service treet	No	OFF_SL_20-719_Official
Rate Case Inbox	Rate Case Inbox	mnratecase@otpco.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_20-719_Official
Generic Notice	Residential Utilities Division	residential.utilities@ag.stat e.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_20-719_Official
Richard	Savelkoul	rsavelkoul@martinsquires.c om	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-719_Official
Peter	Scholtz	peter.scholtz@ag.state.mn. us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota Street St. Paul, MN 55101-2131	Electronic Service	Yes	OFF_SL_20-719_Official
Robert H.	Schulte	rhs@schulteassociates.co m	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	OFF_SL_20-719_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-719_Official
Janet	Shaddix Elling	jshaddix@janetshaddix.co m	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	Yes	OFF_SL_20-719_Official
Cary	Stephenson	cStephenson@otpco.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_20-719_Official
William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_20-719_Official
Stuart	Tommerdahl	stommerdahl@otpco.com	Otter Tail Power Company	215 S Cascade St PO Box 496 Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_20-719_Official
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_20-719_Official
Laurie	Williams	laurie.williams@sierraclub. org	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste Denver, CO 80202	Electronic Service 200	No	OFF_SL_20-719_Official
Laurie	York	laurie.york@whiteearth- nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_20-719_Official
Patrick	Zomer	Pat.Zomer@lawmoss.com	Moss & Barnett PA	150 S 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-719_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Mariah	Bevins	Maria.Bevins@whiteearth- nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Tom	Boyko	tboyko@eastriver.coop	East River Electric Power Coop.	211 S. Harth Ave Madison, SD 57042	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Ray	Choquette	rchoquette@agp.com	Ag Processing Inc.	12700 West Dodge Road PO Box 2047 Omaha, NE 68103-2047	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.st ate.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_21-311_AA-21- 311
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Jason	Decker	jason.decker@llojibwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW Cass Lake, MN 56633	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Richard	Dornfeld	Richard.Dornfeld@ag.state .mn.us	Office of the Attorney General-DOC	Minnesota Attorney General's Office 445 Minnesota Street, Suite 1800 Saint Paul, Minnesota 55101	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Charles	Drayton	charles.drayton@enbridge. com	Enbridge Energy Company, Inc.	7701 France Ave S Ste 600 Edina, MN 55435	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Remi	Engbers	remi.engbers@woodsfuller. com	Woods, Fuller, Shultz & Smith P.C.	300 S Phillips Ave Ste 300 PO Box 5027 Sioux Falls, SD 57117-5027	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Kelly C.	Engebretson	Kelly.Engebretson@lawmo ss.com	Moss & Barnett	150 S. 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21- 311

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
James C.	Erickson	jericksonkbc@gmail.com	Kelly Bay Consulting	17 Quechee St Superior, WI 54880-4421	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Catherine	Fair	catherine@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Michael	Fairbanks	Michael.Fairbanks@whitee arth-nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Sharon	Ferguson	sharon.ferguson@state.mn .us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Jessica	Fyhrie	jfyhrie@otpco.com	Otter Tail Power Company	PO Box 496 Fergus Falls, MN 56538-0496	Electronic Service	Yes	OFF_SL_21-311_AA-21- 311
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Bruce	Gerhardson	bgerhardson@otpco.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Adam	Heinen	aheinen@dakotaelectric.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Annete	Henkel	mui@mnutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Kristin	Henry	kristin.henry@sierraclub.or g	Sierra Club	2101 Webster St Ste 1300 Oakland, CA 94612	Electronic Service	No	OFF_SL_21-311_AA-21- 311

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Katherine	Hinderlie	katherine.hinderlie@ag.stat e.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Faron	Jackson, Sr.	faron.jackson@llojibwe.net	Leech Lake Band of Ojibwe	190 Sailstar Drive NW Cass Lake, MN 56633	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Richard	Johnson	Rick.Johnson@lawmoss.co m	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Nick	Kaneski	nick.kaneski@enbridge.co m	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Bill	Lachowitzer	blachowitzer@ibewlocal94 9.org	IBEW Local Union 949	12908 Nicollet Ave S Burnsville, MN 55337-3527	Electronic Service	No	OFF_SL_21-311_AA-21- 311
James D.	Larson	james.larson@avantenergy .com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Kavita	Maini	kmaini@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Paper Service	No	OFF_SL_21-311_AA-21- 311
Joseph	Meyer	joseph.meyer@ag.state.mn .us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Tim	Miller	Tim.Miller@mrenergy.com	Missouri River Energy Services	3724 W Avera Dr PO Box 88920 Sioux Falls, SD 57109-8920	Electronic Service	No	OFF_SL_21-311_AA-21- 311

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Andrew	Moratzka	andrew.moratzka@stoel.co m	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Matthew	Olsen	molsen@otpco.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_21-311_AA-21- 311
David G.	Prazak	dprazak@otpco.com	Otter Tail Power Company	P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496	Electronic Service reet	No	OFF_SL_21-311_AA-21- 311
William	Rader	wrader@otpco.com	Otter Tail Power Company	215 South Cascade St Fergus Falls, Minnesota 56537	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Rate Case Inbox	Rate Case Inbox	mnratecase@otpco.com	Otter Tail	N/A	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Generic Notice	Residential Utilities Division	residential.utilities@ag.stat e.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_21-311_AA-21- 311
Richard	Savelkoul	rsavelkoul@martinsquires.c om	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Peter	Scholtz	peter.scholtz@ag.state.mn. us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota Street St. Paul, MN 55101-2131	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Robert H.	Schulte	rhs@schulteassociates.co m	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	OFF_SL_21-311_AA-21- 311

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_21-311_AA-21- 311
Cary	Stephenson	cStephenson@otpco.com	Otter Tail Power Company	215 South Cascade Street Fergus Falls, MN 56537	Electronic Service	Yes	OFF_SL_21-311_AA-21- 311
William	Taylor	bill.taylor@taylorlawsd.com	Taylor Law Firm	4820 E. 57th Street Suite B Sioux Falls, SD 57108	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Stuart	Tommerdahl	stommerdahl@otpco.com	Otter Tail Power Company	215 S Cascade St PO Box 496 Fergus Falls, MN 56537	Electronic Service	Yes	OFF_SL_21-311_AA-21- 311
Pat	Treseler	pat.jcplaw@comcast.net	Paulson Law Office LTD	4445 W 77th Street Suite 224 Edina, MN 55435	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Laurie	Williams	laurie.williams@sierraclub. org	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste Denver, CO 80202	Electronic Service 200	No	OFF_SL_21-311_AA-21- 311
Laurie	York	laurie.york@whiteearth- nsn.gov	White Earth Reservation Business Committee	PO Box 418 White Earth, MN 56591	Electronic Service	No	OFF_SL_21-311_AA-21- 311
Patrick	Zomer	Pat.Zomer@lawmoss.com	Moss & Barnett PA	150 S 5th St #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-311_AA-21- 311