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May 1, 2023

VIA E-FILING

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

Re: **In the Matter of Minnesota Power's Petition for Approval of the Annual Forecast of Automatic Adjustment Charges for the period of January 2024 through December 2024**
Docket No. E015/AA-23-TBD
Annual Filing

Dear Mr. Seuffert:

Minnesota Power respectfully submits its Annual Forecasted Fuel and Purchased Energy rates for the calendar year 2024 to the Minnesota Public Utilities Commission, pursuant to the decisions rendered by the Commission in Docket No. E999/CI-03-802 and where applicable, in compliance with Minnesota Rules 7825.2800 to 7825.2840 governing Automatic Adjustment of Charges.

Please contact me at (218) 355-3455 or hcreurer@allete.com if you have any questions regarding this compliance filing. For all discovery related inquiries please email hcreurer@allete.com, discoverymanager@mnpower.com, and MPRegulatoryCompliance@mnpower.com.

Kind Regards,

Hillary A. Creurer
Regulatory Compliance Administrator

HAC:th
Attach.

**STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION**

In the Matter of Minnesota Power's Petition for Approval
of the Annual Forecast of Automatic Adjustment Charges
for the period of January 2024 through December 2024

Docket No. E015/AA-23-XXX
**MINNESOTA POWER'S
ANNUAL FILING**

I. SUMMARY

Minnesota Power (or the "Company") hereby submits this Petition to the Minnesota Public Utilities Commission ("Commission") for approval of its Annual Forecasted Rates for it Rider for Fuel and Purchased Energy Charge for the calendar year 2024.

**STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION**

In the Matter of Minnesota Power's Petition for Approval
of the Annual Forecast of Automatic Adjustment Charges
for the period of January 2024 through December 2024

Docket No. E015/AA-23-XXX
**MINNESOTA POWER'S
ANNUAL FILING**

I. INTRODUCTION

Minnesota Power (or the "Company") hereby submits this Petition to the Minnesota Public Utilities Commission ("Commission") for approval of its Annual Forecast of Automatic Adjustment Charges for the period of January 2024 through December 2024.

II. GENERAL FILING INFORMATION

In accordance with Minn. Rule 7829.1300, subp. 3, and additional Commission Orders, Minnesota Power provides the following required information.

A. Name, Address and Telephone Number of Utility

Minnesota Power
30 West Superior Street
Duluth, MN 55802
(218) 722-2641

B. Name, Address and Telephone Number of Utility Attorney

Matthew Brodin,
Senior Attorney
Minnesota Power
30 West Superior Street
Duluth, MN 55802
(218) 355-3152
mbrodin@allete.com (email)

C. Date of Filing and Date Proposed Rates Take Effect

The date of this filing is May 1, 2023. Minnesota Power proposes the forecasted rates for the calendar year 2024 be effective on January 1, 2024.

D. Statute Controlling Schedule for Processing the Petition

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

In the June 12, 2019 Order issued by the Minnesota Public Utilities Commission in Docket No. E999/CI-03-802 (“June 2019 Order”)¹, the Commission approved variances to Minn. Rule 7825.2800 through 7825.2840, as well as a procedural schedule for the Petition.

E. Utility Employee Responsible for Filing

Hillary A. Creurer
Regulatory Compliance Administrator
Minnesota Power
30 West Superior Street
Duluth, MN 55802
(218) 355-3455
hcreurer@allete.com (email)

F. Official Service List

Pursuant to Minn. Rule 7829.0700, Minnesota Power respectfully requests the following persons to be included on the Commission’s official service list for this proceeding:

Matthew Brodin
Senior Attorney
Minnesota Power
30 West Superior Street
Duluth, MN 55802
(218) 355-3152
mbrodin@allete.com

Hillary A. Creurer
Regulatory Compliance Administrator
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Duluth, MN 55802
(218) 355-3455
hcreurer@allete.com

¹ In the Matter of an Investigation into the Appropriateness of Continuing to Permit Electric Energy Cost Adjustments, Docket No. E999/CI-03-802.

Information Request service list for this proceeding:

Matthew Brodin
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Minnesota Power Discovery Manager
discoverymanager@mnpower.com

Minnesota Power Regulatory Compliance
MPRegulatoryCompliance@mnpower.com

G. Service on Other Parties

Minnesota Power has electronically filed this report with the Minnesota Public Utilities Commission, and copies of the Notice of Report Availability have been served on the parties on the attached service lists.

H. Filing Summary

Pursuant to Minn. Rule 7829.1300, subp. 1, a one-paragraph summary of this filing accompanies this Report.

III. TRADE SECRET JUSTIFICATION

Various attachments to this filing contain information that Minnesota Power considers trade secret. The Company believes this filing comports with the Commission's Notice relating to Revised Procedures for handling Trade Secret and Privileged Data, pursuant to Minn. Rule 7829.0500. As required by the revised procedures, a statement providing the justification for excising the trade secret data is included.

IV. DESCRIPTION AND PURPOSE OF FILING

This filing contains information provided in compliance with Minn. Rules 7825.2800 through 7825.2840 and Order Point 7 of the June 2019 Order. The Commission's June 2019 Order approved a variance to Minn. Rules 7825.2800 through 7825.2840 and reporting requirements for the annual forecast and true-up filings.

In the June 2019 Order in Docket No. E999/CI-03-802, Order Points 1 and 7 state the following:

Order Point 1

"The Commission approves variances to Minn. R. 7825.2800, .2810, .2820, .2830, and .2840 in accordance with the language stated above in Section II."

Order Point 7

"The Commission adopts the reporting changes outlined in Attachments 1, 2, and 3 of the joint comments with the following reporting requirement added to the annual true-up filing: each Electric Utility shall provide a complete analysis and discussion of the consequences of self-commitment and self-scheduling of their generators, including the annual difference between production costs and corresponding prevailing market prices."

Then as part of the November 13, 2019 Order in Docket No. E999/AA-18-373, Order Point 9 states:

"The Commission will open an investigation in a separate docket and require Minnesota Power, Otter Tail, and Xcel to report their future self-commitment and self-scheduling analyses using a consistent methodology by including fuel cost and variable O&M costs, matching the offer curve submitted to MISO energy markets."

Minnesota Power's annual compliance report regarding self-commitment and self-scheduling of large base load generators was filed on March 1, 2023, in Docket No. E999/CI-19-704.

Rule 7825.2800 Annual Reports: Policies and Action

Attachment 2 includes information regarding Minnesota Power's fuel and energy source procurement and energy dispatching policies.

Rule 7825.2810 Annual Report: Automatic Adjustment Charges

Attachment 1 includes Minnesota Power's forecasted of Automatic Adjustment Charges for the period of January 2024 through December 2024.

On December 23, 2019, in Docket Nos. E015/MR-19-443 and E015/GR-19-442 the Commission approved the Company's proposed changes to the base cost of energy. The Company moved all fuel related costs to the Fuel and Purchased Energy ("FPE") Charge, with zero cost of fuel in the base energy rate, effective January 1, 2020.

Rule 7825.2820 Annual Auditor's Report

The Independent Auditor's Report is filed annually on March 1 with the True Up Report in accordance with the Commissions June 2019 Order.

Rule 7825.2830 Annual Five-Year Projection

Attachment 6 includes Minnesota Power's annual five-year projection.

Rule 7825.2840 Annual Notice of Reports Availability

Attachment 7 includes the service lists of the interveners in the previous two general rate cases.

Other Reports and Information included in the FAC Forecast

- Attachment No. 3 – Monthly MISO Day 2 Charges and Allocation
- Attachment No. 4 – Auction Revenue Rights Process and Information
- Attachment No. 5 – Plant Outage Reporting

V. 2024 FORECAST FUEL AND PURCHASED ENERGY COSTS

Minnesota Power's forecasted 2024 FPE rates are based on assumptions and information known at the time the forecast was developed. Tables 1 through 3 below summarize the overall forecasted FPE for 2024. For detailed calculations and assumptions see Attachment 1.

Table 1: Forecasted Fuel Cost Summary

	2024 Forecast
Company's Generating Stations	\$116,773,811
Plus: Purchased Energy	\$223,751,172
Plus: MISO Charges	\$53,475,047
Less: MISO Schedules 16, 17, & 24	\$(211,024)
Less: Costs Recovered through Inter-System Sales	\$129,639,147
Less: Costs Related to Solar	\$2,474,436
Plus: Time of Generation and Solar Energy Adjustment	\$1,527,833
Total Cost of Fuel	\$263,625,304
Total Fuel Clause Sales (MWh)	8,572,838
Average Cost of Fuel (¢/kWh)	3.069

Table 2: Forecasted Sales (MWh)

	2024 Forecasted Sales
Total Sales of Electricity	12,397,514
Residential	1,045,140
Commercial	1,230,613
Large Power Taconite	3,794,988
Large Power Paper and Pulp	599,802
Large Power Pipeline	310,455
Other Miscellaneous	333,861
Municipals	1,313,471
Inter System Sales	3,769,185
Less: Inter System Sales	3,769,185
Customer Intersystem Sales	940,132
Market Sales	2,826,652
Station Service	2,401
Sales due to Retail Loss of Load	0
Less: Solar Generation & Purchases	55,492
Total Fuel Clause Sales	8,572,838

Table 3 below shows Minnesota Power's proposed monthly forecasted rates to be implemented January 1, 2024.

Table 3: Proposed Monthly FPE Forecasted Rates (¢/kWh)

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
3.521	3.421	2.937	2.884	3.096	2.740	3.173	3.229	2.961	2.874	2.830	3.159

Minnesota Power will update the Company's web site with the full year of monthly fuel cost charges by December 1, 2023, or upon issuance of the Commission's Order. The

rates will be presented at the following link:

<https://www.mnpower.com/Customerservice/YourBill>

A. Revised Tariff Sheet

Minnesota Power will submit a compliance within 10-days of the Commission Order with a redline and clean revision of the FPE Rider to reflect approved rates.

VI. OTHER ITEMS

Planning Resource Auction

Due to the delay and the continued uncertainty in the MISO Planning Resource Auction (“PRA”) results, Minnesota Power did not include any capacity revenue for the January through December 2024 time period. The uncertainty comes from the new seasonal construct and Seasonal Adjusted Capacity methodology. The Company will provide an update during the Reply Comment period and adjust the 2024 FPE Forecast when the 2023/2024 PRA for the January through May 2024 time period are known, so long as the results are a net revenue position.

VII. CONCLUSION

Minnesota Power submits this annual forecast report pursuant to the Commission’s rules regarding Automatic Adjustment of Charges and respectfully requests the Commission approve the FPE Forecasted Rates for January 1, 2024 through December 31, 2024.

Dated: May 1, 2023

Respectfully Submitted,



Hillary A. Creurer
Regulatory Compliance Administrator
Minnesota Power

**STATEMENT REGARDING JUSTIFICATION FOR EXCISING
TRADE SECRET INFORMATION**

Minnesota Power has excised material from the Annual Automatic Adjustment of Charges Report (“Report”) because the format of the Report requires Minnesota Power to compile and provide information regarding its methods, techniques and process for obtaining and managing fuel supply resources for its generating facilities, including fuel supply, contract terms and conditions, as well as fuel cost projections. This is highly confidential information: Minnesota Power’s competitors, as well as its potential suppliers, would gain a commercial advantage over Minnesota Power if this information was publicly available. As a result of public availability, Minnesota Power and its customers would suffer from corruption of Minnesota Power’s negotiating position. Minnesota Power follows strict internal procedures to maintain the secrecy of this information in order to capitalize on economic value of the information to Minnesota Power.

Minnesota Power believes that this statement justifies why the information excised from the attached Report should remain a trade secret under Minn. Stat. §13.37. Minnesota Power respectfully requests the opportunity to provide additional justification in the event of a challenge to the trade secret designation provided herein.

**Forecast of Automatic Adjustment Charges for the period of
January 2024 through December 2024**

Minn. Rule 7825.2810
Docket No. E,G999/AA-04-1279

2024 FAC Forecast Assumptions

A. Model and Forward Energy Prices

RTSim Model:

Minnesota Power uses the RTSim production cost model for budgeting and planning purposes. The RTSim model is a detailed hourly simulation that dispatches generation to meet customer load requirements, while simultaneously factoring in bilateral contracts and the energy market and assigns the appropriate energy costs to customers. The inputs that drive the model include customer loads, forecasted forward energy prices, contract energy purchases and sales, and generation parameters (i.e., fuel costs, maintenance schedules, etc.) The model’s output includes the energy and costs for thermal generation, hydro generation, wind generation, bilateral contracts, and MISO market purchases and sales.

Forward Energy Prices:

The 2024 energy price outlook Minnesota Power used is based on a 10-business day average of forward market energy price at close from February 7, 2023 through February 21, 2023. For 2024, the on-peak average was [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS] while the off-peak average was [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS]. The market prices are used in the model for generation dispatch and the MISO market purchase costs or MISO market sales revenues. The table below includes the average, on-peak and off-peak price for 2024 by month that was used in the FAC Forecast.

2024 Forward Market Prices (\$/MWh)		
	On Peak	Off Peak
	[TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS]	
January	[REDACTED]	[REDACTED]
February	[REDACTED]	[REDACTED]
March	[REDACTED]	[REDACTED]
April	[REDACTED]	[REDACTED]
May	[REDACTED]	[REDACTED]
June	[REDACTED]	[REDACTED]
July	[REDACTED]	[REDACTED]
August	[REDACTED]	[REDACTED]
September	[REDACTED]	[REDACTED]
October	[REDACTED]	[REDACTED]

November				
December				
12 Month Average				
TRADE SECRET DATA ENDS				

B. Customer Sales

Residential:

- See the 2022 AFR E-999/PR-22-11.
- The forecast of Residential class sales is primarily driven by residential customer account growth (Regional housing starts), weather, and energy efficiency.

Commercial:

- See the 2022 AFR E-999/PR-22-11.
- The primary drivers of Commercial energy sales are commercial customer account growth (Gross Metro Product), weather, regional employment and population, and conservation. The modeling also accounts for some irregular energy consumption behavior due to COVID-19 restrictions in recent history. The econometric results are adjusted for the expected installation of new customer-owned generation.

Taconite:

- Operating at levels reflective of the historical average, adjusted for current U.S. steel mill operating levels.
- Routine maintenance incorporated based on historical trends and customer business plans, if known.
- Inter-System sales such as Incremental Production Service (“IPS”) fixed and variable non-firm are based on contract terms, historical trends and customer business plans, if known.

Paper and Pulp:

- Operational customers reflective of 2019 operating levels.
- A new paper customer has started operations.
- Routine maintenance incorporated based on historical trends and customer business plans, if known.

- Inter-System sales such as IPS, Replacement Firm Power Service (“RFPS”), Economy, and Non-firm developed based on contract terms, historical trends and customer business plans, if known.

Pipelines:

- 3-year average with one pipeline customer adjusted for a known operations change.

Other Miscellaneous:

- See the 2022 AFR E-999/PR-22-11.
- Other large industrial customers assume a 3-year (2020-2022) historical average of annual sales to the customers. Adjustments are applied for any known or expected change in operation that would impact energy sales.

Municipals:

- 13 customers reflect a new contract with reduced firm demand and energy sales.
- 1 customer reflects an increase in load relative to recent years due to change in pipeline pumping operations and restart of a large oil refinery
- Hibbing Public Utilities reflects a new agreement that incorporates the city utilizing their own generation and market to serve their load removing their firm demand and energy sales.

Losses:

- Transmission losses are allocated to Firm Transmission service, Non-Firm Transmission, and Distribution-level service based on their projected energy requirements and expected losses at each level of service.
 - Total transmission losses allocated to Firm transmission customers is about 205,000 MWh.
 - Total losses allocated to Firm Distribution customers is approximately 245,000 MWh (Transmission loss = 91,000) + (Distribution loss = 154,000)

C. Generation Costs

Boswell:

- 2023 year-end inventory fuel volume and total \$ as forecasted in February 2023 latest estimate provides January 1, 2024, beginning fuel inventory.
- Fuel cost forecast provided is for Minnesota Power share only (WPPI Energy (“WPPI”) owns 12.5 percent of inventory per the Minnesota Power/WPPI Operating Agreement).
- 2024 delivery volume is based upon maintaining a **[TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS]** inventory target as approved by Minnesota Power Fuel Strategy Group.
 - Rail transportation cost is based on actual 2024 BNSF contract with All-LF escalator based upon L.E. Peabody and Associates forecast.
 - Rail fuel surcharge based upon EIA diesel forecast.
 - Coal topper pricing escalated 2 percent from 2023.
 - Coal commodity cost is based on actual coal 2024 coal contracts and open position based upon L.E. Peabody and Associates forecast.
 - Previous month’s ending inventory (Total MMBtus and \$) + Current month coal deliveries (Total MMBtus and \$) = weighted average current month coal burn cost.
- Coal burn based upon generation formulated in RTSim modeling.
- Outages as provided by Generation Operations.
- 2024 Montana / Wyoming coal blend ratios remain consistent with 2023 target (60 percent Wyoming, 40 percent Montana for Boswell Energy Center (“BEC”) 3 and 50 percent Wyoming / 50 percent Montana for BEC 4).
- Natural gas costs based upon 2024 Henry Hub Forward Natural Gas Curve, from Gas Daily and includes pipeline tariff cost.

Hibbard:

- Biomass burn based upon generation formulated in RTSim modeling.
- Biomass Pricing based upon 2024 forecasted forest residue pricing.
- Natural gas costs based upon 2024 Henry Hub Forward Natural Gas Curve, from Gas Daily, and includes City of Duluth Comfort Systems transportation charges.
- Also see Attachment 2, "Fuel Procurement" for additional support.

Laskin:

- Natural Gas burn based upon generation formulated in RTSim modeling.
- Natural gas costs based on 2023 Henry Hub Forward Natural Gas Curve, from Gas Daily, and pipeline transportation based upon actual supplier contract formula pricing.
- Also see Attachment 2, "Fuel Procurement" for additional support.

Wind:

- Minnesota Power used a 5-year historical average to estimate wind generation levels.
- Wind generation owned by Minnesota Power has a \$0 fuel cost.

Hydro:

- Minnesota Power used a 5-year historical average to estimate hydro generation levels.
- Hydro generation owned by Minnesota Power has a \$0 fuel cost.

D. Purchase Costs

Manitoba Hydro:

- Contract Terms - Refer to Docket No. E015/M-11-938

Minnkota Power Cooperation:

- Station Service Contract Terms - Refer to Docket No. E015/AA-19-302
- Renewable Source Contract Terms - Refer to E015/GR-16-664. Purchase is offset by the sale to the renewable source customers in "Inter-system Sales Forecast."

Purchase to serve Non-Firm Retail Customer:

- Based on customers load - No purchase made so price has been estimated.

Oliver County 1:

- Generation - Refer to Docket No. E015/M-05-975

Oliver County 2:

- Generation - Refer to Docket No. E015/M-07-216

Wing River:

- Generation - Refer to Docket No. E015/M-07-537

Nobles:

- Generation - Refer to Docket No. E015/M-18-545

Square Butte:

- Generation - Refer to Docket No. E015/PA-09-526

SES 20MW Solar:

- Generation - Refer to Docket No. E015/M-20-828
- Costs and generation will go to the Solar Energy Adjustment (“SEA”)

Purchase to Serve Municipal Solar Energy:

- Purchase to procure solar energy for a municipal customer. Purchase is offset by the sale to the municipal customer in “Inter-system Sales Forecast.”

Market Purchase:

- Minnesota Power uses the RTSim production cost model to determine the volume and cost for MISO market purchases. When additional energy is needed to serve load or it is lower cost to purchase energy from the market than to generate energy from Minnesota Power’s dispatchable fleet, the model will utilize the MISO market for purchases.

E. Inter-System Sales

IPS and RFPS:

- Contract - Developed based on contract terms, historical trends, and customer business plans, if known.

Economy and Non-Firm:

- Contract - Developed based on contract terms, historical trends, and customer business plans, if known.

Municipal Incremental:

- 13 customers have a new contract with reduced firm demand and energy sales
- Contract - Developed based on contract terms, historical trends, and customer business plans, if known.

Municipal Solar Energy:

- Sales side of the direct pass through of the “Purchase to Serve Municipal Solar Energy.”

Oconto:

- Contract Terms - Refer to Docket No. E015/AA-19-302

Hibbing Public Utilities:

- Customer outlook reflects the new agreement that incorporates the city utilizing their own generation and market to serve their load removing their firm demand and energy sales.
- Contract Terms - Refer to Docket No. E015/M-21-28.

Minnkota Power Cooperation:

- Renewable Source - Sales side of the direct cost pass through of the “Minnkota Power Cooperation Renewable Source”

Asset Based Sales (Non-MISO):

- Minnesota Power uses a RTSim production cost model to determine when a sale is an asset-based sale or liquidation sale.
- For 2024, no asset-based sales to a counterparty have been forecasted

Liquidated Sales (Non-MISO):

- Minnesota Power uses a RTSim production cost model to determine when a sale is an asset-based sale or liquidation sale.
- For 2024, no liquidation sales to a counterparty have been forecasted.

MISO Market Sales:

- Variable- Minnesota Power uses a RTSim production cost model to determine the volume and cost for MISO market sales. When excess energy is available and it's economical, the model will sell the excess energy into the MISO market.

- MISO Market Sales are either an asset-based sale or liquidation sale.

Minnkota Power Liquidation:

- Refer to Docket No. E015/AA-19-302

Oliver County 1:

- Station Service - January through December 2022 Average

Oliver County 2:

- Station Service - January through December 2022 Average

WPPI Energy:

- Station Service - January through December 2022 average per day multiplied by the 2024 forecasted scheduled and forced outages at BEC 4. See Attachment 5 for outage assumptions.

MISO Costs:

- See Attachment 3 for MISO Costs breakdown and assumptions.

Asset Based Sales Margins:

- Minnesota Power uses a RTSim production cost model to determine when a sale is an asset-based sale. The margins from these sales are included in the FAC Calculation (Attachment 1 – 2024 FAC Forecast Calculation) per the Rate Case Resolution Docket Nos. E015/GR-19-442 and E015/M-20-429.
- The margin from the Municipal Incremental Sale is also included in the Asset Based Sales Margins

A. Summary - Automatic Adjustment Charges:

Ref. No.	Revenue/Accounting Month Cost of Fuel	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Total
1	Company's Generating Stations	\$14,447,018	\$13,184,794	\$9,292,937	\$8,955,265	\$5,730,970	\$6,180,820	\$10,288,404	\$10,645,505	\$7,805,079	\$8,230,153	\$9,255,452	\$12,757,414	\$116,773,811
	Thermal	\$14,447,018	\$13,184,794	\$9,292,937	\$8,955,265	\$5,730,970	\$6,180,820	\$10,288,404	\$10,645,505	\$7,805,079	\$8,230,153	\$9,255,452	\$12,757,414	\$116,773,811
	Wind	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Hydro	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Plus: Purchased Energy	\$20,890,686	\$18,388,299	\$18,466,695	\$17,651,350	\$20,803,031	\$19,080,699	\$20,693,753	\$18,444,596	\$17,029,206	\$17,509,006	\$16,719,568	\$18,074,283	\$223,751,172
	Market	\$14,680,778	\$12,537,190	\$12,677,145	\$11,373,192	\$14,540,702	\$14,193,715	\$15,196,709	\$12,983,742	\$11,562,894	\$11,181,164	\$10,649,753	\$12,419,508	\$153,996,492
	Wind	\$2,744,398	\$2,557,065	\$2,723,933	\$2,746,919	\$2,611,346	\$2,015,547	\$1,776,644	\$1,816,003	\$2,401,920	\$2,803,488	\$2,746,307	\$2,662,751	\$29,606,320
	Solar	\$101,210	\$152,093	\$238,167	\$272,338	\$307,534	\$323,937	\$366,101	\$319,301	\$245,143	\$161,653	\$106,008	\$71,124	\$2,664,609
	Square Butte	\$3,364,300	\$3,141,950	\$2,827,450	\$3,258,900	\$3,343,450	\$2,547,500	\$3,354,300	\$3,325,550	\$2,819,250	\$3,362,700	\$3,217,500	\$2,920,900	\$37,483,750
3	Plus: MISO Charges 1/	\$7,807,903	\$6,786,689	\$3,596,592	\$3,470,605	\$2,960,034	\$1,802,876	\$4,536,091	\$4,777,275	\$3,477,052	\$4,078,231	\$4,205,679	\$5,975,840	\$53,475,047
4	Less: MISO Schedules 16 & 17 & 24 1/	(\$24,129)	(\$24,342)	(\$14,702)	(\$23,482)	(\$11,533)	(\$12,881)	(\$17,810)	(\$16,417)	(\$11,447)	(\$18,076)	(\$18,105)	(\$18,099)	(\$211,024)
	Schedule 16	\$102,465	\$102,245	\$110,907	\$102,617	\$113,567	\$111,908	\$107,781	\$108,600	\$112,004	\$106,319	\$106,792	\$106,734	\$1,291,940
	Schedule 17	\$17,405	\$17,413	\$18,392	\$17,901	\$18,901	\$19,211	\$18,409	\$18,983	\$20,548	\$19,605	\$19,103	\$19,166	\$225,037
	Schedule 24	(\$144,000)	(\$144,000)	(\$144,000)	(\$144,000)	(\$144,000)	(\$144,000)	(\$144,000)	(\$144,000)	(\$144,000)	(\$144,000)	(\$144,000)	(\$144,000)	(\$1,728,000)
5	Less: Costs Recovered Through Inter System Sales	\$15,747,664	\$14,022,134	\$9,524,506	\$10,492,307	\$8,236,665	\$8,615,231	\$12,668,651	\$10,783,558	\$7,952,951	\$9,689,552	\$9,703,141	\$12,202,787	\$129,639,147
	Customer Inter-System Sales	\$4,286,753	\$4,003,136	\$2,570,046	\$2,198,118	\$1,922,013	\$2,682,017	\$3,402,129	\$3,343,892	\$2,620,410	\$2,370,344	\$2,385,367	\$3,550,217	\$35,634,440
	Market Sales	\$7,804,048	\$7,166,803	\$5,262,741	\$6,911,002	\$5,666,975	\$4,389,745	\$6,159,296	\$5,518,631	\$4,297,012	\$6,113,766	\$5,948,860	\$5,842,962	\$71,081,842
	Station Service	\$6,608	\$6,608	\$6,608	\$30,088	\$6,608	\$6,608	\$6,608	\$6,608	\$30,088	\$6,608	\$6,608	\$6,608	\$126,257
	MISO Costs 1/	\$1,528,991	\$1,287,719	\$473,337	\$666,652	\$364,474	\$98,181	\$650,996	\$631,798	\$337,499	\$613,054	\$649,040	\$884,440	\$8,286,184
	Sales due to Retail Loss of Load	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Asset Based Sale Margins	\$2,121,263	\$1,557,867	\$1,211,774	\$686,447	\$276,593	\$1,338,681	\$2,449,622	\$1,282,628	\$667,942	\$585,780	\$713,266	\$1,618,560	\$14,510,424
6	Less: Costs Related to Solar	\$93,051	\$140,521	\$221,561	\$252,723	\$285,605	\$301,893	\$340,469	\$297,314	\$228,173	\$150,379	\$98,609	\$64,137	\$2,474,436
7	Plus: Time of Generation and Solar Energy Adjustment	\$69,707	\$109,748	\$122,208	\$134,289	\$182,349	\$186,098	\$190,836	\$171,400	\$146,417	\$112,901	\$52,996	\$48,886	\$1,527,833
8	Total Monthly Cost of Fuel	\$27,398,727	\$24,331,396	\$21,747,066	\$19,489,961	\$21,165,647	\$18,346,249	\$22,717,775	\$22,974,322	\$20,288,077	\$20,108,436	\$20,450,050	\$24,607,598	\$263,625,304
MWh Sales														
9	Total Sales of Electricity	1,179,758	1,084,297	1,025,565	1,026,116	971,356	917,804	1,037,218	1,025,889	943,028	1,027,981	1,044,500	1,114,003	12,397,514
	Residential	117,114	102,473	94,088	80,801	73,586	67,670	83,099	77,665	73,426	75,466	87,522	112,231	1,045,140
	Commercial	109,031	105,620	108,247	91,503	93,654	97,124	107,973	111,924	102,433	94,825	95,683	112,598	1,230,613
	Taconite	326,764	294,020	321,980	300,703	320,675	309,032	321,160	317,280	307,523	320,116	327,966	327,769	3,794,988
	Paper and Pulp	51,135	46,759	51,310	49,593	50,475	49,396	51,002	51,073	49,168	49,786	49,187	50,918	589,802
	Pipeline	30,273	30,263	31,725	27,479	23,935	23,945	24,337	22,307	21,169	23,449	24,657	26,916	310,455
	Other Misc.	29,613	28,366	29,012	27,398	26,794	27,408	27,397	28,117	26,902	27,632	27,118	28,104	333,861
	Municipals	116,681	107,091	108,934	103,816	100,873	101,521	108,276	109,566	109,579	112,146	112,780	122,208	1,313,471
	Inter System Sales	399,147	369,705	280,270	344,823	281,364	241,709	313,975	307,957	252,828	324,561	319,587	333,258	3,769,185
10	Less: Inter System Sales	399,147	369,705	280,270	344,823	281,364	241,709	313,975	307,957	252,828	324,561	319,587	333,258	3,769,185
	Customer Inter-System Sales	79,040	80,166	77,710	72,431	61,597	81,114	83,494	83,934	81,650	77,034	75,712	86,250	940,132
	Market Sales	319,990	289,422	202,443	271,776	219,650	160,478	230,364	223,966	170,562	247,410	243,758	246,891	2,826,652
	Station Service	117	117	117	616	117	117	117	117	616	117	117	117	2,401
	Sales due to Retail Loss of Load	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Less: Solar Generation and Purchased MWh	2,357	3,372	4,906	5,551	6,260	6,561	7,300	6,457	4,995	3,727	2,309	1,697	55,492
12	Total Monthly MWh Sales	778,253	711,221	740,389	675,742	683,732	669,535	715,944	711,474	685,204	699,693	722,604	779,047	8,572,838

Fuel Adjustment Charge Fuel Clause (¢/KWh)	Average												
13 1-Month Average Cost of Fuel (¢/KWh)	3.521	3.421	2.937	2.884	3.096	2.740	3.173	3.229	2.961	2.874	2.830	3.159	3.069

1 Month Average Cost of Fuel by Energy Type (¢/kWh)	Jan 24	Feb 24	Mar 24	Apr 24	May 24	Jun 24	Jul 24	Aug 24	Sep 24	Oct 24	Nov 24	Dec 24
17 Generation - Coal	0.975	0.995	0.783	0.695	0.507	0.590	0.859	1.077	0.833	0.734	0.808	1.025
18 Generation - Gas	0.014	0.011	0.000	0.000	0.000	0.003	0.022	0.000	0.000	0.000	0.000	0.000
19 Generation - BioFuel	0.202	0.175	0.086	0.045	0.000	0.016	0.098	0.026	0.018	0.000	0.005	0.152
20 Purchased Power - Coal	0.017	0.017	0.025	0.016	0.029	0.029	0.028	0.027	0.040	0.030	0.028	0.013
21 Purchased Power - Biomass	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22 Purchased Power - Hydro	1.194	1.216	1.178	1.225	1.559	1.460	1.510	1.139	1.082	1.059	1.058	1.033
23 Purchased Power - Gas	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24 Purchased Power - Wind	0.353	0.360	0.368	0.406	0.382	0.301	0.248	0.255	0.351	0.401	0.380	0.342
25 Purchased Power - Diesel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26 Purchased Power - Solar	0.012	0.020	0.030	0.037	0.042	0.045	0.048	0.042	0.033	0.021	0.014	0.008
27 Purchased Power - Unknown	0.754	0.629	0.468	0.461	0.578	0.295	0.360	0.664	0.605	0.629	0.538	0.585
28 Total One-Month Average Cost	3.521	3.421	2.937	2.884	3.096	2.740	3.173	3.229	2.961	2.874	2.830	3.159

NOTES

1/ See Attachment 3 for MISO Costs breakdown and Assumptions

Fuel Adjustment Clause 16 is applicable to all retail schedules except Competitive Rates, Industrial Economy, Excess Energy, Replacement Firm Power Service, Interruptible Power and Incremental Production Service. KWH Sales under Competitive Rate Schedules are not subject to the Fuel Clause but the Competitive Rate does recover the base cost of fuel.

Beginning November 1, 2009, with final rates, the company began applying the Fuel Adjustment Clause based (Fuel and Purchased Energy Adjustment) on Class Cost Factors for each different rate class such as Residential, General Service, Large Light and Power, Large Power, Municipal Pumping and Lighting

Thermal Generation													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
TRADE SECRET DATA BEGINS													
Generation - Coal	TRADE SECRET DATA BEGINS												
Boswell 3	TRADE SECRET DATA BEGINS												
MWh	TRADE SECRET DATA BEGINS												
Average Cost	TRADE SECRET DATA BEGINS												
Total Cost	\$ 5,219,835	\$ 4,834,644	\$ 3,690,555	\$ 3,359,702	\$ 154,235	\$ 1,002,978	\$ 3,676,685	\$ 4,424,892	\$ 3,353,890	\$ 2,876,813	\$ 3,555,853	\$ 4,801,195	\$ 40,951,276
TRADE SECRET DATA BEGINS													
Boswell 4	TRADE SECRET DATA BEGINS												
MWh	TRADE SECRET DATA BEGINS												
Average Cost	TRADE SECRET DATA BEGINS												
Total Cost	\$ 7,219,591	\$ 6,555,899	\$ 4,966,923	\$ 5,286,966	\$ 5,576,736	\$ 4,984,576	\$ 5,458,577	\$ 6,030,093	\$ 4,325,311	\$ 5,353,341	\$ 5,661,053	\$ 6,748,887	\$ 68,167,952
TRADE SECRET DATA BEGINS													
Total Generation Coal \$	\$ 12,439,426	\$ 11,390,543	\$ 8,657,478	\$ 8,646,668	\$ 5,730,970	\$ 5,987,554	\$ 9,135,262	\$ 10,454,984	\$ 7,679,201	\$ 8,230,153	\$ 9,216,906	\$ 11,550,082	\$ 109,119,229
TRADE SECRET DATA BEGINS													
Generation - Gas	TRADE SECRET DATA BEGINS												
Laskin 1	TRADE SECRET DATA BEGINS												
MWh	TRADE SECRET DATA BEGINS												
Average Cost	TRADE SECRET DATA BEGINS												
Total Cost	\$ 271,768	\$ 311,237	\$ -	\$ -	\$ -	\$ 39,045	\$ 226,249	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 848,299
TRADE SECRET DATA BEGINS													
Laskin 2	TRADE SECRET DATA BEGINS												
MWh	TRADE SECRET DATA BEGINS												
Average Cost	TRADE SECRET DATA BEGINS												
Total Cost	\$ 142,366	\$ 224,388	\$ -	\$ -	\$ -	\$ 39,045	\$ 209,103	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 614,902
TRADE SECRET DATA BEGINS													
Total Generation Gas \$	\$ 414,135	\$ 535,625	\$ -	\$ -	\$ -	\$ 78,090	\$ 435,351	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,463,201
TRADE SECRET DATA BEGINS													
Generation - Biofuel	TRADE SECRET DATA BEGINS												
Hibbard 3	TRADE SECRET DATA BEGINS												
MWh	TRADE SECRET DATA BEGINS												
Average Cost	TRADE SECRET DATA BEGINS												
Total Cost	\$ 665,906	\$ 459,271	\$ -	\$ 263,933	\$ -	\$ 80,581	\$ 173,049	\$ -	\$ -	\$ -	\$ 38,546	\$ 866,684	\$ 2,547,969
TRADE SECRET DATA BEGINS													
Hibbard 4	TRADE SECRET DATA BEGINS												
MWh	TRADE SECRET DATA BEGINS												
Average Cost	TRADE SECRET DATA BEGINS												
Total Cost	\$ 927,552	\$ 799,354	\$ 635,459	\$ 44,664	\$ -	\$ 34,596	\$ 544,742	\$ 190,521	\$ 125,878	\$ -	\$ -	\$ 340,647	\$ 3,643,412
TRADE SECRET DATA BEGINS													
Total Generation Biofuel \$	\$ 1,593,457	\$ 1,258,625	\$ 635,459	\$ 308,597	\$ -	\$ 115,176	\$ 717,791	\$ 190,521	\$ 125,878	\$ -	\$ 38,546	\$ 1,207,331	\$ 6,191,381
TRADE SECRET DATA BEGINS													
Total Thermal Generation \$	\$ 14,447,018	\$ 13,184,794	\$ 9,292,937	\$ 8,955,265	\$ 5,730,970	\$ 6,180,820	\$ 10,288,404	\$ 10,645,505	\$ 7,805,079	\$ 8,230,153	\$ 9,255,452	\$ 12,757,414	\$ 116,773,811

Wind Generation													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
TRADE SECRET DATA BEGINS													
Bison	TRADE SECRET DATA BEGINS												
MWh	TRADE SECRET DATA BEGINS												
Average Cost	TRADE SECRET DATA BEGINS												
Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRADE SECRET DATA BEGINS													
Tac Ridge	TRADE SECRET DATA BEGINS												
MWh	TRADE SECRET DATA BEGINS												
Average Cost	TRADE SECRET DATA BEGINS												
Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRADE SECRET DATA BEGINS													
Total Wind Generation \$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Hydro Generation													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
TRADE SECRET DATA BEGINS													
Hydro	TRADE SECRET DATA BEGINS												
MWh	TRADE SECRET DATA BEGINS												
Average Cost	TRADE SECRET DATA BEGINS												
Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRADE SECRET DATA BEGINS													
Total Hydro Generation \$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Total Company Generation	\$ 14,447,018	\$ 13,184,794	\$ 9,292,937	\$ 8,955,265	\$ 5,730,970	\$ 6,180,820	\$ 10,288,404	\$ 10,645,505	\$ 7,805,079	\$ 8,230,153	\$ 9,255,452	\$ 12,757,414	\$ 116,773,811

		Purchase Power Market												
		Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Manitoba Hydro	MWh	[TRADE SECRET DATA BEGINS]												
	Average Cost	[TRADE SECRET DATA BEGINS]												
	Total Cost	\$ 9,324,308	\$ 8,663,561	\$ 8,959,776	\$ 8,765,091	\$ 11,546,318	\$ 10,069,439	\$ 10,939,992	\$ 8,107,406	\$ 7,689,524	\$ 8,062,571	\$ 7,690,655	\$ 8,144,435	\$ 107,963,075
Minnkota Power Cooperation Renewable Source	MWh	[TRADE SECRET DATA BEGINS]												
	Average Cost	[TRADE SECRET DATA BEGINS]												
	Total Cost	\$ 9,052	\$ 9,290	\$ 8,450	\$ 7,839	\$ 7,538	\$ 6,987	\$ 7,962	\$ 8,353	\$ 7,024	\$ 6,174	\$ 5,736	\$ 7,932	\$ 92,336
Market Purchase	MWh	[TRADE SECRET DATA BEGINS]												
	Average Cost	[TRADE SECRET DATA BEGINS]												
	Total Cost	\$ 2,284,205	\$ 1,012,711	\$ 1,794,950	\$ 978,331	\$ 1,594,695	\$ 2,112,892	\$ 1,637,336	\$ 2,428,389	\$ 1,943,645	\$ 1,351,768	\$ 1,332,200	\$ 1,455,010	\$ 19,926,132
Minnkota Power Cooperation Station Service	MWh	[TRADE SECRET DATA BEGINS]												
	Average Cost	[TRADE SECRET DATA BEGINS]												
	Total Cost	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 562,290
Purchase to Serve Non-Firm Retail Customer	MWh	[TRADE SECRET DATA BEGINS]												
	Average Cost	[TRADE SECRET DATA BEGINS]												
	Total Cost	\$ 3,016,356	\$ 2,804,772	\$ 1,867,112	\$ 1,575,074	\$ 1,345,294	\$ 1,957,539	\$ 2,564,562	\$ 2,392,736	\$ 1,875,843	\$ 1,713,794	\$ 1,574,304	\$ 2,765,274	\$ 25,452,659
Total Purchase Power Market \$		\$ 14,680,778	\$ 12,537,190	\$ 12,677,145	\$ 11,373,192	\$ 14,540,702	\$ 14,193,715	\$ 15,196,709	\$ 12,983,742	\$ 11,562,894	\$ 11,181,164	\$ 10,649,753	\$ 12,419,508	\$ 153,996,492

		Purchase Power Wind												
		Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Oliver 1	MWh	[TRADE SECRET DATA BEGINS]												
	Average Cost	[TRADE SECRET DATA BEGINS]												
	Total Cost	\$ 327,736	\$ 287,082	\$ 333,024	\$ 306,096	\$ 266,754	\$ 204,530	\$ 211,797	\$ 231,393	\$ 293,544	\$ 367,294	\$ 343,181	\$ 307,052	\$ 3,479,483
Oliver 2	MWh	[TRADE SECRET DATA BEGINS]												
	Average Cost	[TRADE SECRET DATA BEGINS]												
	Total Cost	\$ 566,065	\$ 503,249	\$ 554,083	\$ 502,187	\$ 473,655	\$ 376,032	\$ 342,260	\$ 400,245	\$ 509,152	\$ 609,820	\$ 574,745	\$ 559,120	\$ 5,970,613
Wing River	MWh	[TRADE SECRET DATA BEGINS]												
	Average Cost	[TRADE SECRET DATA BEGINS]												
	Total Cost	\$ 23,071	\$ 21,645	\$ 22,283	\$ 24,476	\$ 23,478	\$ 17,175	\$ 15,177	\$ 14,183	\$ 20,620	\$ 23,532	\$ 23,999	\$ 22,703	\$ 252,342
Nobles	MWh	[TRADE SECRET DATA BEGINS]												
	Average Cost	[TRADE SECRET DATA BEGINS]												
	Total Cost	\$ 1,827,526	\$ 1,745,089	\$ 1,814,543	\$ 1,914,160	\$ 1,847,458	\$ 1,417,810	\$ 1,207,410	\$ 1,170,182	\$ 1,578,604	\$ 1,802,843	\$ 1,804,382	\$ 1,773,876	\$ 19,903,883
Total Purchase Power Wind \$		\$ 2,744,398	\$ 2,557,065	\$ 2,723,933	\$ 2,746,919	\$ 2,611,346	\$ 2,015,547	\$ 1,776,644	\$ 1,816,003	\$ 2,401,920	\$ 2,803,488	\$ 2,746,307	\$ 2,662,751	\$ 29,606,320

Purchase Power Solar													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
SES 20MW Solar	[TRADE SECRET DATA BEGINS]												
MWh	[TRADE SECRET DATA BEGINS]												
Average Cost	[TRADE SECRET DATA BEGINS]												
Total Cost	\$ 93,051	\$ 140,521	\$ 221,561	\$ 252,723	\$ 285,605	\$ 301,893	\$ 340,469	\$ 297,314	\$ 228,173	\$ 150,379	\$ 98,609	\$ 64,137	\$ 2,474,436
	[TRADE SECRET DATA BEGINS]												
Purchase to Serve Municipal Solar Energy	[TRADE SECRET DATA BEGINS]												
MWh	[TRADE SECRET DATA BEGINS]												
Average Cost	[TRADE SECRET DATA BEGINS]												
Total Cost	\$ 8,158	\$ 11,572	\$ 16,606	\$ 19,615	\$ 21,929	\$ 22,045	\$ 25,632	\$ 21,987	\$ 16,970	\$ 11,274	\$ 7,399	\$ 6,988	\$ 190,174
Total Purchase Power Solar	\$ 101,210	\$ 152,093	\$ 238,167	\$ 272,338	\$ 307,534	\$ 323,937	\$ 366,101	\$ 319,301	\$ 245,143	\$ 161,653	\$ 106,008	\$ 71,124	\$ 2,664,609

Purchase Power- Square Butte													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Square Butte	[TRADE SECRET DATA BEGINS]												
MWh	[TRADE SECRET DATA BEGINS]												
Average Cost	[TRADE SECRET DATA BEGINS]												
Total Cost	\$ 3,364,300	\$ 3,141,950	\$ 2,827,450	\$ 3,258,900	\$ 3,343,450	\$ 2,547,500	\$ 3,354,300	\$ 3,325,550	\$ 2,819,250	\$ 3,362,700	\$ 3,217,500	\$ 2,920,900	\$ 37,483,750
Total Purchase Power Coal	\$ 3,364,300	\$ 3,141,950	\$ 2,827,450	\$ 3,258,900	\$ 3,343,450	\$ 2,547,500	\$ 3,354,300	\$ 3,325,550	\$ 2,819,250	\$ 3,362,700	\$ 3,217,500	\$ 2,920,900	\$ 37,483,750

	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Total Company Purchase Power	\$ 20,890,686	\$ 18,388,299	\$ 18,466,695	\$ 17,651,350	\$ 20,803,031	\$ 19,080,699	\$ 20,693,753	\$ 18,444,596	\$ 17,029,206	\$ 17,509,006	\$ 16,719,568	\$ 18,074,283	\$ 223,751,172

Purchase Power- Coal													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Square Butte	TRADE SECRET DATA BEGINS												
	MWh Average Cost	[REDACTED]											
	Total Cost	\$ 3,364,300	\$ 3,141,950	\$ 2,827,450	\$ 3,258,900	\$ 3,343,450	\$ 2,547,500	\$ 3,354,300	\$ 3,325,550	\$ 2,819,250	\$ 3,362,700	\$ 3,217,500	\$ 2,920,900
Total Purchase Power Coal \$	\$ 3,364,300	\$ 3,141,950	\$ 2,827,450	\$ 3,258,900	\$ 3,343,450	\$ 2,547,500	\$ 3,354,300	\$ 3,325,550	\$ 2,819,250	\$ 3,362,700	\$ 3,217,500	\$ 2,920,900	\$ 37,483,750

Purchase Power Biomass													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
	TRADE SECRET DATA BEGINS												
	MWh Average Cost	[REDACTED]											
	Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Purchase Power Biomass \$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Purchase Power Hydro													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
MHEB	TRADE SECRET DATA BEGINS												
	MWh Average Cost	[REDACTED]											
	Total Cost	\$ 9,324,308	\$ 8,663,561	\$ 8,959,776	\$ 8,765,091	\$ 11,546,318	\$ 10,069,439	\$ 10,939,992	\$ 8,107,406	\$ 7,689,524	\$ 8,062,571	\$ 7,690,655	\$ 8,144,435
Total Purchase Power Hydro \$	\$ 9,324,308	\$ 8,663,561	\$ 8,959,776	\$ 8,765,091	\$ 11,546,318	\$ 10,069,439	\$ 10,939,992	\$ 8,107,406	\$ 7,689,524	\$ 8,062,571	\$ 7,690,655	\$ 8,144,435	\$ 107,963,075

Purchase Power Gas													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
	TRADE SECRET DATA BEGINS												
	MWh Average Cost	[REDACTED]											
	Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Purchase Power Gas \$	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Purchase Power Wind													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Oliver 1	TRADE SECRET DATA BEGINS												
	MWh Average Cost	[REDACTED]											
	Total Cost	\$ 327,736	\$ 287,082	\$ 333,024	\$ 306,096	\$ 266,754	\$ 204,530	\$ 211,797	\$ 231,393	\$ 293,544	\$ 367,294	\$ 343,181	\$ 307,052
Oliver 2	TRADE SECRET DATA BEGINS												
	MWh Average Cost	[REDACTED]											
	Total Cost	\$ 566,065	\$ 503,249	\$ 554,083	\$ 502,187	\$ 473,655	\$ 376,032	\$ 342,260	\$ 400,245	\$ 509,152	\$ 609,820	\$ 574,745	\$ 559,120
Wing River	TRADE SECRET DATA BEGINS												
	MWh Average Cost	[REDACTED]											
	Total Cost	\$ 23,071	\$ 21,645	\$ 22,283	\$ 24,476	\$ 23,478	\$ 17,175	\$ 15,177	\$ 14,183	\$ 20,620	\$ 23,532	\$ 23,999	\$ 22,703
Nobles	TRADE SECRET DATA BEGINS												
	MWh Average Cost	[REDACTED]											
	Total Cost	\$ 1,827,526	\$ 1,745,089	\$ 1,814,543	\$ 1,914,160	\$ 1,847,458	\$ 1,417,810	\$ 1,207,410	\$ 1,170,182	\$ 1,578,604	\$ 1,802,843	\$ 1,804,382	\$ 1,773,876
Minnkota Power Cooperation Renewable Source	TRADE SECRET DATA BEGINS												
	MWh Average Cost	[REDACTED]											
	Total Cost	\$ 9,052	\$ 9,290	\$ 8,450	\$ 7,839	\$ 7,538	\$ 6,987	\$ 7,962	\$ 8,353	\$ 7,024	\$ 6,174	\$ 5,736	\$ 7,932
Total Purchase Power Wind \$	\$ 2,753,449	\$ 2,566,355	\$ 2,732,382	\$ 2,754,758	\$ 2,618,884	\$ 2,022,534	\$ 1,784,606	\$ 1,824,356	\$ 2,408,944	\$ 2,809,662	\$ 2,752,043	\$ 2,670,682	\$ 29,698,656

Purchase Power Diesel													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
MWh	[TRADE SECRET DATA BEGINS]												
Average Cost	[TRADE SECRET DATA BEGINS]												
Total Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Purchase Power Diesel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Purchase Power Solar														
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total	
MWh	[TRADE SECRET DATA BEGINS]													
Average Cost	[TRADE SECRET DATA BEGINS]													
Total Cost	\$ 93,051	\$ 140,521	\$ 221,561	\$ 252,723	\$ 285,605	\$ 301,893	\$ 340,469	\$ 297,314	\$ 228,173	\$ 150,379	\$ 98,609	\$ 64,137	\$ 2,474,436	
Purchase to Serve Municipal Solar Energy	MWh	141	200	287	339	379	381	443	380	289	192	126	119	3,276
Average Cost	\$57.86	\$57.86	\$57.86	\$57.86	\$57.86	\$57.86	\$57.86	\$57.86	\$57.86	\$58.72	\$58.72	\$58.72	\$58.72	\$58.05
Total Cost	\$ 8,158	\$ 11,572	\$ 16,606	\$ 19,615	\$ 21,929	\$ 22,045	\$ 25,632	\$ 21,987	\$ 16,970	\$ 11,274	\$ 7,399	\$ 6,988	\$ 190,174	
Total Purchase Power Solar	\$ 101,210	\$ 152,093	\$ 238,167	\$ 272,338	\$ 307,534	\$ 323,937	\$ 366,101	\$ 319,301	\$ 245,143	\$ 161,653	\$ 106,008	\$ 71,124	\$ 2,664,609	

Purchase Power Unknown													
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Market Purchase	[TRADE SECRET DATA BEGINS]												
Average Cost	[TRADE SECRET DATA BEGINS]												
Total Cost	\$ 2,284,205	\$ 1,012,711	\$ 1,794,950	\$ 978,331	\$ 1,594,695	\$ 2,112,892	\$ 1,637,336	\$ 2,428,389	\$ 1,943,645	\$ 1,351,768	\$ 1,332,200	\$ 1,455,010	\$ 19,926,132
Minnkota Power Cooperation Station Service	[TRADE SECRET DATA BEGINS]												
Average Cost	[TRADE SECRET DATA BEGINS]												
Total Cost	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 46,857	\$ 562,290
Purchase to Serve Non-Firm Retail Customer	[TRADE SECRET DATA BEGINS]												
Average Cost	[TRADE SECRET DATA BEGINS]												
Total Cost	\$ 3,016,356	\$ 2,804,772	\$ 1,867,112	\$ 1,575,074	\$ 1,345,294	\$ 1,957,539	\$ 2,564,562	\$ 2,392,736	\$ 1,875,843	\$ 1,713,794	\$ 1,574,304	\$ 2,765,274	\$ 25,452,659
Total Purchase Power Unknown	\$ 5,347,419	\$ 3,864,340	\$ 3,708,919	\$ 2,600,262	\$ 2,986,846	\$ 4,117,288	\$ 4,248,755	\$ 4,867,982	\$ 3,866,346	\$ 3,112,419	\$ 2,953,362	\$ 4,267,142	\$ 45,941,081
Total Company Purchase Power	\$ 20,890,686	\$ 18,388,299	\$ 18,466,695	\$ 17,651,350	\$ 20,803,031	\$ 19,080,699	\$ 20,693,753	\$ 18,444,596	\$ 17,029,206	\$ 17,509,006	\$ 16,719,568	\$ 18,074,283	\$ 223,751,172

		Inter-System Sales- Customer Sales												
		Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Incremental Product Service and RFPs		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ 295,687	\$ 230,430	\$ 128,558	\$ 115,517	\$ 107,593	\$ 111,893	\$ 101,190	\$ 128,317	\$ 147,726	\$ 143,249	\$ 249,039	\$ 232,556	\$ 1,991,754
Economy and Non Firm Energy		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ 3,265,853	\$ 3,147,201	\$ 2,081,999	\$ 1,815,772	\$ 1,599,191	\$ 2,225,573	\$ 2,854,337	\$ 2,770,964	\$ 2,228,589	\$ 1,956,278	\$ 1,790,327	\$ 3,027,937	\$ 28,764,020
Municipal Incremental		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ 717,055	\$ 613,933	\$ 342,883	\$ 247,214	\$ 193,300	\$ 322,507	\$ 420,970	\$ 422,624	\$ 227,124	\$ 259,543	\$ 338,602	\$ 582,737	\$ 4,688,492
Municipal Solar Energy		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ 8,158	\$ 11,572	\$ 16,606	\$ 19,615	\$ 21,929	\$ 22,045	\$ 25,632	\$ 21,987	\$ 16,970	\$ 11,274	\$ 7,399	\$ 6,988	\$ 190,174
Total Inter-System Sales- Customer (MWhs)		79,040	80,166	77,710	72,431	61,597	81,114	83,494	83,934	81,650	77,034	75,712	86,250	940,132
Total Inter-System Sales- Customer (Dollars)		\$ 4,286,753	\$ 4,003,136	\$ 2,570,046	\$ 2,198,118	\$ 1,922,013	\$ 2,682,017	\$ 3,402,129	\$ 3,343,892	\$ 2,620,410	\$ 2,370,344	\$ 2,385,367	\$ 3,850,217	\$ 35,634,440
		Inter-System Sales- Market Sales												
		Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
Oconto		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ 273,737	\$ 240,486	\$ 226,630	\$ 188,657	\$ 180,987	\$ 196,404	\$ 233,736	\$ 219,268	\$ 185,910	\$ 196,034	\$ 225,475	\$ 263,228	\$ 2,630,551
Hibbing Public Utilities		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ 103,531	\$ 96,593	\$ 104,413	\$ 101,338	\$ 105,521	\$ 102,507	\$ 103,936	\$ 102,734	\$ 100,310	\$ 103,996	\$ 99,563	\$ 101,528	\$ 1,225,971
Minnkota Power Cooperation- Renewable Source		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ 9,052	\$ 9,290	\$ 8,450	\$ 7,839	\$ 7,538	\$ 6,987	\$ 7,962	\$ 8,353	\$ 7,024	\$ 6,174	\$ 5,736	\$ 7,932	\$ 92,336
Asset Based Sales (Non MISO)		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Liquidated Sales (Non MISO)		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MISO Market Sales		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ 4,644,953	\$ 4,230,915	\$ 2,592,932	\$ 3,927,261	\$ 2,617,337	\$ 1,984,258	\$ 3,049,129	\$ 2,447,438	\$ 1,680,210	\$ 3,036,105	\$ 2,966,300	\$ 3,062,938	\$ 36,239,777
Minnkota Power Liquidation		TRADE SECRET DATA BEGINS												
MWh	Average Fuel Cost	TRADE SECRET DATA BEGINS												
Total Fuel Cost		\$ 2,772,775	\$ 2,589,520	\$ 2,330,316	\$ 2,685,907	\$ 2,755,591	\$ 2,099,588	\$ 2,764,534	\$ 2,740,838	\$ 2,323,558	\$ 2,771,457	\$ 2,651,786	\$ 2,407,336	\$ 30,893,207
Total Inter-System Sales- Market (MWhs)		319,990	289,422	202,443	271,776	219,650	160,478	230,364	223,906	170,562	247,410	243,758	246,891	2,826,652
Total Inter-System Sales- Market (Dollars)		\$ 7,804,048	\$ 7,166,803	\$ 5,262,741	\$ 6,911,002	\$ 5,666,975	\$ 4,389,745	\$ 6,159,296	\$ 5,518,631	\$ 4,297,012	\$ 6,113,766	\$ 5,948,860	\$ 5,842,962	\$ 71,081,842

Inter-System Sales- Station Service														
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total	
TRADE SECRET DATA BEGINS														
Oliver 1	MWh													
Average Fuel Cost	Average Fuel Cost													
TRADE SECRET DATA ENDS]														
Total Fuel Cost	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 1,415	\$ 16,981
TRADE SECRET DATA BEGINS														
Oliver 2	MWh													
Average Fuel Cost	Average Fuel Cost													
TRADE SECRET DATA ENDS]														
Total Fuel Cost	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 1,203	\$ 14,442
TRADE SECRET DATA BEGINS														
WPPI	MWh													
Average Fuel Cost	Average Fuel Cost													
TRADE SECRET DATA ENDS]														
Total Fuel Cost	\$ 3,990	\$ 3,990	\$ 3,990	\$ 27,469	\$ 3,990	\$ 3,990	\$ 3,990	\$ 3,990	\$ 27,469	\$ 3,990	\$ 3,990	\$ 3,990	\$ 3,990	\$ 94,834
Total Inter-System Sales- Station Service (MWhs)	117	117	117	616	117	117	117	117	616	117	117	117	117	2,401
Total Inter-System Sales- Station Service (Dollars)	\$ 6,608	\$ 6,608	\$ 6,608	\$ 30,088	\$ 6,608	\$ 6,608	\$ 6,608	\$ 6,608	\$ 30,088	\$ 6,608	\$ 6,608	\$ 6,608	\$ 6,608	\$ 126,257
Inter-System Sales- MISO Costs														
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total	
MISO Recovered thru Market Sales	Total Cost													
	\$ 1,528,991	\$ 1,287,719	\$ 473,337	\$ 666,652	\$ 364,477	\$ 198,181	\$ 650,996	\$ 631,798	\$ 337,499	\$ 613,054	\$ 649,040	\$ 884,440	\$ 8,286,184	
Total Inter-System Sales- MISO Costs (Dollars)	\$ 1,528,991	\$ 1,287,719	\$ 473,337	\$ 666,652	\$ 364,477	\$ 198,181	\$ 650,996	\$ 631,798	\$ 337,499	\$ 613,054	\$ 649,040	\$ 884,440	\$ 8,286,184	
Inter-System Sales- Sales due to Retail Loss of Load														
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total	
TRADE SECRET DATA BEGINS														
Sales due to Retail Loss of Load	MWh													
Average Fuel Cost	Average Fuel Cost													
TRADE SECRET DATA ENDS]														
Total Fuel Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
MISO Recovered thru Sales due to Retail Loss of Load	Total Cost													
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Liquidation for Sales due to Retail Loss of Load	Total Cost													
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Inter-System Sales- Sales due to Retail Loss of Load (MWhs)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Inter-System Sales- Sales due to Retail Loss of Load (Dollars)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Inter-System Sales- Margins														
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total	
Asset Based Sales Margins	Total Margins													
	\$ 2,121,263	\$ 1,557,867	\$ 1,211,774	\$ 686,447	\$ 276,593	\$ 1,338,681	\$ 2,449,622	\$ 1,282,628	\$ 667,942	\$ 585,780	\$ 713,266	\$ 1,618,560	\$ 14,510,424	
Total Inter-System Sales- MISO Costs (Dollars)	\$ 2,121,263	\$ 1,557,867	\$ 1,211,774	\$ 686,447	\$ 276,593	\$ 1,338,681	\$ 2,449,622	\$ 1,282,628	\$ 667,942	\$ 585,780	\$ 713,266	\$ 1,618,560	\$ 14,510,424	
Inter-System Sales- Totals														
	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total	
Total Company Inter System Sales MWhs	399,147	369,705	280,270	344,823	281,364	241,709	313,975	307,957	252,828	324,561	319,587	333,258	3,769,185	
Total Company Inter System Sales Dollars	\$ 15,747,664	\$ 14,022,134	\$ 9,524,506	\$ 10,492,307	\$ 8,236,665	\$ 8,615,231	\$ 12,668,651	\$ 10,783,558	\$ 7,952,951	\$ 9,689,552	\$ 9,703,141	\$ 12,202,787	\$ 129,639,147	

SOLAR ENERGY ADJUSTMENT

Docket No. E015/M-15-773

	January 2024	February 2024	March 2024	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024	October 2024	November 2024	December 2024
Total Monthly Fuel Cost	27,422,072	24,362,170	21,846,419	19,608,396	21,268,903	18,462,044	22,867,408	23,100,236	20,369,833	20,145,914	20,495,663	24,622,848
Less: Costs related to Solar	93,051	140,521	221,561	252,723	285,605	301,893	340,469	297,314	228,173	150,379	98,609	64,137
Total Non-Solar FAC Costs	27,329,021	24,221,649	21,624,858	19,355,672	20,983,298	18,160,151	22,526,940	22,802,921	20,141,660	19,995,535	20,397,054	24,558,712
Current 2-Month Total Fuel Cost	52,593,255	51,550,669	45,846,507	40,980,530	40,338,971	39,143,450	40,687,091	45,329,861	42,944,581	40,137,195	40,392,589	44,955,765
Total Monthly KWH Sales	780,610,383	714,592,579	745,295,585	681,293,027	689,991,630	676,095,358	723,243,518	717,931,338	690,199,322	703,419,599	724,913,107	780,744,383
Less: Solar Generation and Purchases	2,357,493	3,371,782	4,906,236	5,550,712	6,259,544	6,560,687	7,299,545	6,457,137	4,995,436	3,726,932	2,309,017	1,697,308
Total Non-Solar FAC KWH Sales	778,252,890	711,220,796	740,389,350	675,742,316	683,732,086	669,534,670	715,943,973	711,474,201	685,203,885	699,692,668	722,604,090	779,047,075
Current 2-Month Total KWH Sales	1,573,092,202	1,489,473,686	1,451,610,146	1,416,131,665	1,359,474,402	1,353,266,757	1,385,478,643	1,427,418,174	1,396,678,086	1,384,896,553	1,422,296,757	1,501,651,165
Fuel Cost - cents/kWh	3.343	3.461	3.158	2.894	2.967	2.893	2.937	3.176	3.075	2.898	2.840	2.994
TOGA Percentage	88.45%	94.04%	78.88%	83.60%	98.18%	98.05%	89.01%	83.58%	95.32%	104.53%	80.82%	96.20%
Fuel Cost Credit to the SEA - cents/kWh	2.957	3.255	2.491	2.419	2.913	2.837	2.614	2.654	2.931	3.029	2.295	2.880
BILLING MONTH	March 2024	April 2024	May 2024	June 2024	July 2024	August 2024	October 2024	November 2024	December 2024	January 2025	February 2025	March 2025

	January 2024	February 2024	March 2024	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024	October 2024	November 2024	December 2024
TOGA Percentage	88.45%	94.04%	78.88%	83.60%	98.18%	98.05%	89.01%	83.58%	95.32%	104.53%	80.82%	96.20%
Less: 100 Percent	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Total TOGA Percentage to the FAC	-11.55%	-5.96%	-21.12%	-16.40%	-1.82%	-1.95%	-10.99%	-16.42%	-4.68%	4.53%	-19.18%	-3.80%
TOGA to the FAC (Dollars)	\$ (9,104.36)	\$ (6,949.79)	\$ (32,730.76)	\$ (26,349.01)	\$ (3,371.65)	\$ (3,703.15)	\$ (23,552.02)	\$ (33,678.21)	\$ (7,192.96)	\$ 4,894.66	\$ (12,580.36)	\$ (1,931.59)

	January 2024	February 2024	March 2024	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024	October 2024	November 2024	December 2024
Costs Related to Solar	\$93,051.31	\$140,521.34	\$221,561.13	\$252,723.48	\$285,604.97	\$301,892.63	\$340,468.59	\$297,314.47	\$228,172.67	\$150,378.89	\$98,609.29	\$64,136.81
Less: Credit from FAC / TOGA	\$69,706.65	\$109,747.60	\$122,208.15	\$134,288.58	\$182,349.01	\$186,097.54	\$190,835.61	\$171,400.47	\$146,416.71	\$112,901.14	\$52,995.73	\$48,885.82
Net Costs Related to Solar	\$ 23,344.66	\$ 30,773.74	\$ 99,352.97	\$ 118,434.90	\$ 103,255.95	\$ 115,795.08	\$ 149,632.99	\$ 125,914.00	\$ 81,755.96	\$ 37,477.75	\$ 45,613.56	\$ 15,250.99
Current 2-Month Net Costs Related to Solar	\$ 51,472.55	\$ 54,118.41	\$ 130,126.72	\$ 217,787.87	\$ 221,690.86	\$ 219,051.04	\$ 265,428.07	\$ 275,546.99	\$ 207,669.96	\$ 119,233.71	\$ 83,091.31	\$ 60,864.55
Total Monthly kWh Sales	780,869,000	714,858,000	745,537,000	681,517,000	690,207,000	676,295,000	723,471,000	718,170,000	690,400,000	703,596,000	725,077,000	780,971,000
Less: Retail SES Exempt	373,605,826	336,803,826	368,824,826	346,168,826	367,501,826	354,506,826	368,037,826	364,147,826	352,936,826	365,988,826	373,369,826	374,631,826
Less: Municipal SES Exempt	116,681,000	107,091,000	108,934,000	103,816,000	100,873,000	101,521,000	108,276,000	109,566,000	109,579,000	112,146,000	112,780,000	122,208,000
Total Non-Exempt kWh Sales	290,582,174	270,963,174	267,778,174	231,532,174	221,832,174	220,267,174	247,157,174	244,456,174	227,884,174	225,461,174	238,927,174	284,131,174
Current 2-Month Total Non-Exempt kWh Sales	574,724,286	561,545,347	538,741,347	499,310,347	453,364,347	442,099,347	467,424,347	491,613,347	472,340,347	453,345,347	464,388,347	523,058,347
SEA Adjustment - Dollars per KWH	\$0.00009	\$0.00010	\$0.00024	\$0.00044	\$0.00049	\$0.00050	\$0.00057	\$0.00056	\$0.00044	\$0.00026	\$0.00018	\$0.00012
SEA Adjustment - cents per KWH	0.00896	0.00964	0.02415	0.04362	0.04890	0.04955	0.05679	0.05605	0.04397	0.02630	0.01789	0.01164
BILLING MONTH	March 2024	April 2024	May 2024	June 2024	July 2024	August 2024	October 2024	November 2024	December 2024	January 2025	February 2025	March 2025

**Fuel & Energy Source Procurement and
Energy Dispatching Policies**
Minn. Rule 7825.2800

I. Fuel Source Procurement Policies

Fuel Cost Minimization Activities

Minnesota Power's fuel procurement practices are aimed at strategically minimizing our customers' current energy costs while complying with current environmental regulations and, simultaneously, taking action to assure cost-effective compliance with future environmental requirements. Attaining these objectives requires that purchases and sales of energy, applicable coal and rail contract provisions, current and projected emissions, mine plans of our suppliers, requirements of customers, fuel delivery schedules, fuel inventory, fuel and rail costs, etc., be continuously evaluated. Balancing these parameters requires superimposing long- and short-term planning objectives on near-term operations.

In addition, Minnesota Power uses a multi-discipline fuels procurement and strategy team to achieve fuel cost minimization and environmental compliance objectives. The team meets regularly to coordinate all activities related to fuel procurement. Objectives include:

- Implement strategies for short- and long-term fuel procurement which provide a high-quality, flexible, and reliable fuel supply to Minnesota Power facilities to achieve the lowest attainable electric rates.
- Optimize fuel costs and quality through developing, implementing and managing the short-term strategy for fuel scheduling and deliveries within operating and contract parameters.
- Environmental compliance planning efforts focus on the formulation, implementation and minimization of short- and long-term corporate strategies for fuel quality issues and the impact of fuel on plant performance and compliance with existing and emerging environmental regulations.

Energy Source Procurement and Dispatching Policies

Short Term Activities

The Midcontinent Independent System Operator (“MISO”) is a fully integrated regional transmission organization that operates a Day-Ahead Energy and Ancillary Services Market, a Real-Time Energy and Ancillary Services Market, a Financial Transmission Rights (“FTR”) Market, and a Planning Resource Auction for capacity.

Minnesota Power’s generation resources, load, and transmission assets are located within the MISO footprint and are part of the MISO market. The MISO markets are used to balance generation with load and to hedge congestion between generation and load. There are a variety of tools that Minnesota Power uses to help with analysis and participation in the MISO market. Minnesota Power offers to sell energy and ancillary services sourced from its supply resources and bids to buy energy to serve load in the MISO market each day. MISO procures enough market ancillary service products to meet the needs of the entire footprint and the Company is allocated its load ratio share of the costs to procure the needed ancillary services. If market clearing prices are above Minnesota Power’s generator offer prices, Minnesota Power generation will be selected to serve load. If market prices are below the generator offers, other lower cost resources will be selected to serve Minnesota Power’s load, and the Company’s generation will be backed down. The Company also looks to buy energy in the short term bilateral market when there is an energy need and purchases can be made below expected MISO day-ahead costs.

Medium Term Activities

Minnesota Power uses a production cost model to determine its forward monthly energy position. Model inputs include forecasted customer loads, generator capabilities, contract energy purchases and sales, forward energy prices, planned generator outages, and forced and maintenance outage rates. Inputs are updated and the model is run periodically to determine Minnesota Power’s forward energy position.

Planned generator outages are usually known about a year or more in advance. When a significant energy deficit is identified, the Company monitors the wholesale market for

least cost supply opportunities and enters into bilateral purchases to maintain volumetric position limits as outlined in Minnesota Power's Power Marketing Risk Management Policy. If forward energy prices drop below forecasted spot market prices the entire short position could be covered with a bilateral purchase prior to the start of the outage. If lower cost energy is available in the areas that border the MISO north region, Minnesota Power may choose to use bilateral purchases from those border areas to cover a generator outage.

II. Summary of Fuel Contracts

Coal Contracts

Kennecott Coal Sales LLC, an Oregon LLC (currently known as Navajo Transitional Energy Company, and formerly known as both Cloud Peak Energy and Rio Tinto Energy), Spring Creek Mine, Decker, Montana.

- Master Coal Purchase Agreement signed on [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS] provides general terms and definitions governing purchases and sales of coal.
- An agreement signed on [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS] also provides for purchases of a minimum of [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS] tons of coal for the period of [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS]

Arch Coal Sales, Black Thunder Mine, Wright, Wyoming

- Master Coal Purchase Agreement signed on [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS] provides general terms and definitions governing purchases and sales of coal.
- An agreement signed on [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS] also provides for purchases of a minimum of [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS] and maximum of [TRADE SECRET DATA BEGINS [REDACTED] TRADE SECRET DATA ENDS]

DATA ENDS] tons of coal for the period of **[TRADE SECRET DATA BEGINS**
[REDACTED] **TRADE SECRET DATA ENDS]**

- An agreement signed on **[TRADE SECRET DATA BEGINS** [REDACTED]
TRADE SECRET DATA ENDS] also provides for purchases of a minimum of
[TRADE SECRET DATA BEGINS [REDACTED] **TRADE SECRET DATA ENDS]** tons
of coal for the period of **[TRADE SECRET DATA BEGINS** [REDACTED]
[REDACTED] **TRADE SECRET DATA ENDS]**
- An agreement signed on **[TRADE SECRET DATA BEGINS** [REDACTED]
TRADE SECRET DATA ENDS] also provides for purchases of a minimum of
[TRADE SECRET DATA BEGINS [REDACTED] **TRADE SECRET DATA ENDS]** tons
of coal for the period of **[TRADE SECRET DATA BEGINS** [REDACTED]
[REDACTED] **TRADE SECRET DATA ENDS]**

Biomass Contracts

Currently Minnesota Power purchases wood fuel under purchase orders with 10 separate suppliers for use at the Hibbard Renewable Energy Center with varying expiration dates. These type of purchases are expected to continue in 2024.

Rail Contracts

Burlington Northern Santa Fe (currently known as BNSF Railway)

- An agreement signed on **[TRADE SECRET DATA BEGINS** [REDACTED]
TRADE SECRET DATA ENDS] provides for the transportation of coal from
[TRADE SECRET DATA BEGINS [REDACTED]
TRADE SECRET DATA ENDS] for a minimum of **[TRADE SECRET DATA BEGINS** [REDACTED] **TRADE SECRET DATA ENDS]** tons per year and a maximum of **[TRADE SECRET DATA BEGINS** [REDACTED] **TRADE SECRET DATA ENDS]** tons per year.

Supplemental Fuels

Minnesota Power uses natural gas for start-up and flame stabilization at the Boswell Station. Minnesota Power gets daily gas pricing from a supplier for natural gas at the

Monthly Forecasted MISO Day 2 Charges and Allocation

Docket No. E999/AA-07-1130

Description of the categories shown in Attachment 3

1. *FAC Retail* – Sales MWh subject to the retail FAC allocation. Includes residential, commercial, industrial, seasonal firm loads that are allocated the retail fuel adjustment clause.
2. *FAC Resale* – Sales MWh subject to the resale FAC allocation. Includes municipal customers; for example, City of Nashwauk, City of Proctor, etc. that are allocated the resale fuel adjustment clause.
3. *MISO Non-Liquidation* – Asset based sales MWh from generation resources to MISO in the Day-Ahead or Real-Time markets.
4. *MISO – Liquidation* – Non-asset-based sales MWh to MISO, the source of which was a purchase from another entity that was intended to serve load but was not needed because generation levels were higher than expected or loads were lower than expected.
5. *Others – Liquidation* – Non-asset-based sales MWh to other entities (not MISO), the source of which was a purchase from another entity that was intended to serve load but was not needed because generation levels were higher than expected or loads were lower than expected.
6. *Others – Non-Liquidation* – Asset based sales MWh from generation resources to other entities (not MISO) and is not under a longer-term contract. This group also includes retail non-firm sales that are not allocated fuel adjustment clause costs such as Large Power Interruptible and Large Power Incremental Production Service Sales.
7. *Contract Sales* – Asset based sales MWh related to longer term contracts.

Day Ahead and Real-Time Energy costs assigned for categories 3-7 above

Minnesota Power's Energy Pricing system assigns purchases and generation based on cost not category type. Minnesota Power assigns the highest cost generation or purchases to non-FAC sales first to help ensure that the FAC receives the lowest cost

generation or purchases. Certain transactions do not follow this methodology. Output from our renewable resource generators and renewable energy power purchase agreements are dedicated to load to help meet the states renewable energy standard. Minnesota Power then determines the source of the FAC MWh by a separate analysis. A similar analysis is not done for non-FAC sales because there has not been a need to report the sources of non-FAC sales. We are unable to identify what portion of Day Ahead and Real Time Energy was assigned to the other non-FAC categories.

As indicated as a footnote to the spreadsheet in our filing, Day Ahead Asset Energy, Real Time Asset Energy, Day Ahead Non-Asset Energy and Real Time Non-Asset Energy are not shown to be allocated to MISO Non-Liquidation, MISO Liquidation, Others-Liquidation, and Contract Sales as these amounts are not tracked separately by Minnesota Power's systems as discussed above.

MINNESOTA POWER		Account Number	January 2024	Others - Limitation				Others - Non-Limitation				Contract Sales				
MSO MONTHLY ALLOCATION		Number	January 2024	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	
Day Ahead and Real Time Energy																
Day Ahead Asset Energy	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Non-Asset Energy	55500-0007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Asset Energy	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excessive Energy Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Excessive Energy Amount	55500-0068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Non-Asset Energy	55500-0043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	81,197	-	-	-	-	-	-	-	-	131,178
Day Ahead and Real Time Energy Loss																
Day Ahead Loss	44700-0000 of 55500-0000 of 55500-0050	7,200,268.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Loss	55500-0002	282,664.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Loss	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Distribution of Losses	55500-0041	1,445,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Financial Bilateral Transaction Loss	55500-0038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		7,037,932.80	-	-	-	-	-	81,197	600,648.08	81,197	(36,184.29)	-	-	-	-	131,178
Virtual Energy																
Day Ahead Virtual Energy	55500-0030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Virtual Energy	55500-0049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	81,197	-	81,197	-	-	-	-	-	131,178
Schedule 16A.17 - M																
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,400.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		163,400.00	-	-	-	-	-	81,197	13,286.55	81,197	-	-	-	-	-	131,178
Congestion, ETRs & AERs																
Day Ahead Congestion	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	282,664.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Financial Bilateral Transaction Congestion	55500-0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Transaction Amount	55500-0058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Annual Transaction Amount	55500-0059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	116,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Hourly Allocation	55500-0032	219,006.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Allocation	55500-0033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Yearly Allocation	55500-0035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Full Quarter Charges Amount	55500-0074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FTR Guarantee Uplift Amount	55500-0076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Transaction	55500-0034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		402,576.13	-	-	-	-	-	81,197	42,166.50	81,197	(9,432.31)	-	-	-	-	131,178
RSG & Make Whole Payments																
Day Ahead Revenue Sufficiency Guarantees Distribution	55500-0008	29,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55500-0009	(21,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Price Volatility Make Whole Payment	55500-0057	(10,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Revenue Sufficiency Guarantees First Pass Only	55500-0046	160,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Revenue Sufficiency Guarantees Make Whole Payment	55500-0047	(110,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		48,000.00	-	-	-	-	-	81,197	15,368.16	81,197	(11,465.14)	-	-	-	-	131,178
RNG & Misc Charges																
Real Time Miscellaneous	55500-0042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Net Inadvertent Distribution	55500-0044	2,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Unallocated Distribution	55500-0048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demand Response Allocation Uplift Amount	55500-0077	33,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Ramp Capability Amount	55500-0079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Ramp Capability Amount	55500-0080	(1,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		281,000.00	-	-	-	-	-	81,197	22,930.27	81,197	(8.13)	-	-	-	-	131,178
Grandfathered Charge Taxes																
Day Ahead Congestion Rebate on Carve-Out Grandfathered	55500-0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Carve-Out Grandfathered	55500-0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Congestion Rebate on Option B Grandfathered	55500-0015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Option B Grandfathered	55500-0016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Losses Rebate on Carve-Out Grandfathered	55500-0040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion Rebate on Carve-Out Grandfathered	55500-0039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	81,197	-	81,197	-	-	-	-	-	131,178
ASM Charge Taxes (F Other)																
Day Ahead Distribution Amount	55500-0082	(65,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Spinning Reserve Amount	55500-0083	(50,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Supplemental Reserve Amount	55500-0084	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contingency Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Generation Adjustment Amount	55500-0086	1,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Regulation Amount	55500-0070	11,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Regulation Reserve Cost Distribution Amount	55500-0071	18,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Excessive Dispatch Deployment Charge Amount	55500-0087	25,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Spinning Reserve Amount	55500-0072	2,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Short-Term Reserve Amount	55500-0082	(10,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Short-Term Reserve Amount	55500-0083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-Term Reserve Cost Distribution Amount	55500-0084	77,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		19,000.00	-	-	-	-	-	81,197	11,871.70	81,197	(10,326.75)	-	-	-	-	131,178
Grand Total		7,951,902.63	-	-	-	-	-	81,197	706,921.27	81,197	(67,498.81)	-	-	-	-	131,178

MINNESOTA POWER		Account Number	February 2024				FAC Regal				FAC Regal				Subtotal FPE and FAC Contributions				MISO Non-Liquidation				MISO Liquidation					
		Number	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue		
Day Ahead and Real Time Energy																												
14	Day Ahead Asset Energy	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Day Ahead Non-Asset Energy	55500-0077	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Real Time Asset Energy	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Excessive Energy Amount	55500-0096	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Non-Excessive Energy Amount	55500-0096	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Real Time Non-Asset Energy	55500-0043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead and Real Time Energy Losses																												
10	Day Ahead Loss	44700-0000 or 55500-0000 or 55500-0050	6,256,570.07	-	-	-	3,894,425.70	-	-	-	687,251.59	-	-	-	4,581,677.29	-	-	-	1,117,089.04	-	-	-	-	-	-	-	-	-
3	Day Ahead Financial Bilateral Transaction Loss	55500-0022	243,996.51	-	-	-	151,399.84	-	-	-	26,717.62	-	-	-	178,117.45	-	-	-	43,938.80	-	-	-	-	-	-	-	-	-
13	Real Time Loss	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Real Time Financial Bilateral Transaction Loss	55500-0041	(445,000.00)	-	-	-	-	-	-	-	(276,122.50)	-	-	-	(48,727.50)	-	-	-	(324,850.00)	-	-	-	-	-	-	-	-	-
14	Real Time Financial Bilateral Transaction Loss	55500-0038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal			6,055,566.58	-	-	-	604,485	-	-	-	4,045,825.53	-	-	-	604,485	-	-	-	(276,122.50)	-	-	-	-	-	-	-	-	-
Virtual Energy																												
12	Day Ahead Virtual Energy	55500-0030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Real Time Virtual Energy	55500-0049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: DA & RT - 1/																												
4	Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00	-	-	-	89,352.00	-	-	-	15,768.00	-	-	-	105,120.00	-	-	-	25,931.46	-	-	-	-	-	-	-	-	-
9	Real Time Market Administration (Schedule 17)	55500-0036	16,000.00	-	-	-	9,928.00	-	-	-	1,752.00	-	-	-	11,680.00	-	-	-	2,881.27	-	-	-	-	-	-	-	-	-
29	Financial Transmission Rights Market Administration (Schedule 41)	55500-0031	3,400.00	-	-	-	2,109.70	-	-	-	372.30	-	-	-	2,482.00	-	-	-	612.27	-	-	-	-	-	-	-	-	-
Subtotal			163,400.00	-	-	-	101,389.70	-	-	-	17,892.30	-	-	-	119,282.00	-	-	-	29,425.01	-	-	-	-	-	-	-	-	-
Congestion, FTRs & ABRs																												
10	Day Ahead Congestion	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Real Time Congestion	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Day Ahead Financial Bilateral Transaction Congestion	55500-0021	243,996.51	-	-	-	151,399.84	-	-	-	26,717.62	-	-	-	178,117.45	-	-	-	43,938.80	-	-	-	-	-	-	-	-	-
15	Real Time Financial Bilateral Transaction Congestion	55500-0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Auction Revenue Rights Transaction Amount	55500-0098	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Financial Transmission Rights Annual Transaction Amount	55500-0099	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Auction Revenue Rights Infeasible Uplift Amount	55500-0046	14,000.00	-	-	-	9,638.00	-	-	-	1,767.00	-	-	-	11,405.00	-	-	-	2,861.97	-	-	-	-	-	-	-	-	-
15	Auction Revenue Rights Stage 2 Distribution Amount	55500-0041	(116,000.00)	-	-	-	(71,978.00)	-	-	-	(12,702.00)	-	-	-	(84,680.00)	-	-	-	(20,889.23)	-	-	-	-	-	-	-	-	-
28	Financial Transmission Rights Hourly Allocation	55500-0032	219,906.10	-	-	-	136,451.73	-	-	-	24,079.72	-	-	-	160,531.45	-	-	-	39,600.61	-	-	-	-	-	-	-	-	-
30	Financial Transmission Rights Monthly Allocation	55500-0033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Financial Transmission Rights Yearly Allocation	55500-0036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Financial Transmission Rights Full Month Capacity Amount	55500-0054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	FTR Guarantee Uplift Amount	55500-0055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Financial Transmission Rights Monthly Transaction Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	Financial Transmission Rights Transaction	55500-0034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal			363,902.61	-	-	-	297,779.57	-	-	-	(71,978.00)	-	-	-	107,091	-	-	-	52,544.34	-	-	-	-	-	-	-	-	-
RIS & Make Whole Payments																												
10	Day Ahead Revenue Sufficiency Guarantee Distribution	55500-0028	29,000.00	-	-	-	17,894.50	-	-	-	3,175.50	-	-	-	21,770.00	-	-	-	5,222.31	-	-	-	-	-	-	-	-	-
11	Day Ahead Revenue Sufficiency Guarantee Make Whole Payments	55500-0029	(21,000.00)	-	-	-	(13,030.50)	-	-	-	(2,299.50)	-	-	-	(15,330.00)	-	-	-	(3,781.67)	-	-	-	-	-	-	-	-	-
11	Real Time Price Volatility Make Whole Payments	55500-0057	(10,000.00)	-	-	-	(6,205.00)	-	-	-	(1,095.00)	-	-	-	(7,300.00)	-	-	-	(1,800.80)	-	-	-	-	-	-	-	-	-
24	Real Time Revenue Sufficiency Guarantee First Price Offer	55500-0048	160,000.00	-	-	-	99,280.00	-	-	-	17,520.00	-	-	-	116,800.00	-	-	-	28,812.74	-	-	-	-	-	-	-	-	-
25	Real Time Revenue Sufficiency Guarantee Make Whole Payments	55500-0047	(110,000.00)	-	-	-	(69,255.00)	-	-	-	(12,045.00)	-	-	-	(80,300.00)	-	-	-	(19,809.76)	-	-	-	-	-	-	-	-	-
Subtotal			48,000.00	-	-	-	604,485	-	-	-	117,274.50	-	-	-	604,485	-	-	-	(87,490.50)	-	-	-	-	-	-	-	-	-
RIE & Misc Charges																												
20	Real Time Miscellaneous	55500-0042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	Real Time Net Inadvertent Distribution	55500-0044	2,000.00	-	-	-	1,241.00	-	-	-	219.00	-	-	-	1,460.00	-	-	-	360.16	-	-	-	-	-	-	-	-	-
21	Real Time Revenue Neutrality Uplift	55500-0045	220,000.00	-	-	-	136,510.00	-	-	-	24,090.00	-	-	-	160,600.00	-	-	-	39,617.51	-	-	-	-	-	-	-	-	-
26	Real Time Unintended Deviation	55500-0048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Demand Response Allocation Uplift Amount	55500-0077	33,000.00	-	-	-	20,476.50	-	-	-	3,613.50	-	-	-	24,090.00	-	-	-	5,942.63	-	-	-	-	-	-	-	-	-
33	Day Ahead Ramp Capability Amount	55500-0079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
34	Real Time Ramp Capability Amount	55500-0080	(1,000.00)	-	-	-	(620.50)	-	-	-	(109.50)	-	-	-	(730.00)	-	-	-	(190.08)	-	-	-	-	-	-	-	-	-
34	Real Time Schedule #1 Cost Distribution	55500-0081	-	-	-	-	16,753.50	-	-	-	2,956.50	-	-	-	19,710.00	-	-	-	4,862.15	-	-	-	-	-	-	-	-	-
Subtotal			27,000.00	-	-	-	27,000.00	-	-	-	604,485	-	-	-	604,485	-	-	-	(620.50)	-	-	-	-	-	-	-	-	-
Grandfathered Charge Topics																												
6	Day Ahead Congestion Rebate on Carve-Out Grandfathered	55500-0023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Day Ahead Losses Rebate on Carve-Out Grandfathered	55500-0024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8	Day Ahead Congestion Rebate on Carve-Out Grandfathered																											

MINNESOTA POWER		February 2024		Others - Legislation				Others - Non-Legislation				Contract Rates			
Account Number	February 2024	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue		
Day Ahead and Real Time Energy															
Day Ahead Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-		
Day Ahead Non-Asset Energy	55500-0007	-	-	-	-	-	-	-	-	-	-	-	-		
Real Time Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-		
Excessiva Energy Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-		
Non-Excessiva Energy Amount	55500-0068	-	-	-	-	-	-	-	-	-	-	-	-		
Real Time Non-Asset Energy	55500-0043	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal		-	-	-	-	83,299	-	-	-	122,372	-	-	-		
Day Ahead and Real Time Energy Loss															
Day Ahead Loss	44700-0000 of 55500-0000 or 55500-0050	6,256,570.07	-	-	-	-	-	-	-	-	-	-	-		
Day Ahead Financial Bilateral Transaction Loss	55500-0002	243,996.51	-	-	-	-	-	-	-	-	-	-	-		
Real Time Loss	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-		
Real Time Distribution of Losses	55500-0041	1445,000.00	-	-	-	-	-	-	-	(40,014.67)	-	-	-		
Real Time Financial Bilateral Transaction Loss	55500-0038	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal		6,055,566.58	-	-	-	-	-	-	-	83,299	579,744.00	83,299	(40,014.67)		
Virtual Energy															
Day Ahead Virtual Energy	55500-0030	-	-	-	-	-	-	-	-	-	-	-	-		
Real Time Virtual Energy	55500-0049	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal		-	-	-	-	-	-	-	-	83,299	-	-	-		
Schedule 16A.17 - M															
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00	-	-	-	-	-	-	-	12,948.54	-	-	-		
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00	-	-	-	-	-	-	-	1,438.73	-	-	-		
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,400.00	-	-	-	-	-	-	-	305.73	-	-	-		
Subtotal		163,400.00	-	-	-	-	-	-	-	83,299	14,692.99	83,299	-		
Congestion, ETRs & AERs															
Day Ahead Congestion	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-		
Real Time Congestion	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-		
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	243,996.51	-	-	-	-	-	-	-	21,940.26	-	-	-		
Real Time Financial Bilateral Transaction Congestion	55500-0037	-	-	-	-	-	-	-	-	-	-	-	-		
Auction Revenue Rights Transaction Amount	55500-0058	-	-	-	-	-	-	-	-	-	-	-	-		
Financial Transmission Rights Annual Transaction Amount	55500-0059	-	-	-	-	-	-	-	-	-	-	-	-		
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00	-	-	-	-	-	-	-	1,438.73	-	-	-		
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	(116,000.00)	-	-	-	-	-	-	-	-	-	(10,430.77)	-		
Financial Transmission Rights Hourly Allocation	55500-0032	219,006.10	-	-	-	-	-	-	-	19,774.04	-	-	-		
Financial Transmission Rights Monthly Allocation	55500-0033	-	-	-	-	-	-	-	-	-	-	-	-		
Financial Transmission Rights Yearly Allocation	55500-0035	-	-	-	-	-	-	-	-	-	-	-	-		
Financial Transmission Rights Full Quarter Charges Amount	55500-0074	-	-	-	-	-	-	-	-	-	-	-	-		
FTR Quarterly Uplift Amount	55500-0076	-	-	-	-	-	-	-	-	-	-	-	-		
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-		
Financial Transmission Rights Transaction	55500-0034	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal		363,902.61	-	-	-	-	-	-	-	83,299	43,153.03	83,299	(10,430.77)		
RSD & Make Whole Payments															
Day Ahead Revenue Sufficiency Guarantees Distribution	55500-0008	29,000.00	-	-	-	-	-	-	-	2,607.69	-	-	-		
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55500-0009	(21,000.00)	-	-	-	-	-	-	-	-	-	(1,888.33)	-		
Real Time Price Volatility Make Whole Payment	55500-0057	(10,000.00)	-	-	-	-	-	-	-	-	-	(899.20)	-		
Real Time Revenue Sufficiency Guarantees First Pass Only	55500-0046	160,000.00	-	-	-	-	-	-	-	14,387.26	-	-	-		
Real Time Revenue Sufficiency Guarantees Make Whole Payment	55500-0047	(110,000.00)	-	-	-	-	-	-	-	-	-	(9,891.25)	-		
Subtotal		48,000.00	-	-	-	-	-	-	-	83,299	16,994.95	83,299	(12,678.77)		
RNU & Misc Charges															
Real Time Miscellaneous	55500-0042	-	-	-	-	-	-	-	-	-	-	-	-		
Real Time Net Inadvertent Distribution	55500-0044	2,000.00	-	-	-	-	-	-	-	179.84	-	-	-		
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00	-	-	-	-	-	-	-	19,782.49	-	-	-		
Real Time Unallocated Distribution	55500-0048	-	-	-	-	-	-	-	-	-	-	-	-		
Demand Response Allocation Uplift Amount	55500-0077	33,000.00	-	-	-	-	-	-	-	2,967.37	-	-	-		
Day Ahead Ramp Capability Amount	55500-0079	-	-	-	-	-	-	-	-	-	-	-	-		
Real Time Ramp Capability Amount	55500-0080	(1,000.00)	-	-	-	-	-	-	-	-	-	(89.95)	-		
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00	-	-	-	-	-	-	-	2,427.85	-	-	-		
Subtotal		281,000.00	-	-	-	-	-	-	-	83,299	25,357.55	83,299	(89.92)		
Grandfathered Charge Taxes															
Day Ahead Congestion Rebate on Carve Out Grandfathered	55500-0013	-	-	-	-	-	-	-	-	-	-	-	-		
Day Ahead Losses Rebate on Carve Out Grandfathered	55500-0014	-	-	-	-	-	-	-	-	-	-	-	-		
Day Ahead Congestion Rebate on Option B Grandfathered	55500-0015	-	-	-	-	-	-	-	-	-	-	-	-		
Day Ahead Losses Rebate on Option B Grandfathered	55500-0016	-	-	-	-	-	-	-	-	-	-	-	-		
Real Time Losses Rebate on Carve Out Grandfathered	55500-0040	-	-	-	-	-	-	-	-	-	-	-	-		
Real Time Congestion Rebate on Carve Out Grandfathered	55500-0039	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal		-	-	-	-	-	-	-	-	83,299	-	83,299	-		
ASM Charge Taxes (FPE Other)															
Day Ahead Distribution Amount	55500-0082	(85,000.00)	-	-	-	-	-	-	-	-	-	(5,844.83)	-		
Day Ahead Spinning Reserve Amount	55500-0081	(50,000.00)	-	-	-	-	-	-	-	-	-	(4,496.02)	-		
Day Ahead Supplemental Reserve Amount	55500-0084	-	-	-	-	-	-	-	-	-	-	-	-		
Contingency Reserve Deployment Failure Charge Amount	55500-0066	-	-	-	-	-	-	-	-	-	-	-	-		
Net Generation Adjustment Amount	55500-0068	1,000.00	-	-	-	-	-	-	-	89.92	-	-	-		
Real Time Regulation Amount	55500-0070	11,000.00	-	-	-	-	-	-	-	989.12	-	-	-		
Regulation Reserve Cost Distribution Amount	55500-0071	19,000.00	-	-	-	-	-	-	-	3,506.90	-	-	-		
Real Time Excessive Dispatch Deployment Charge Amount	55500-0087	25,000.00	-	-	-	-	-	-	-	2,248.01	-	-	-		
Real Time Spinning Reserve Amount	55500-0072	2,000.00	-	-	-	-	-	-	-	179.84	-	-	-		
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00	-	-	-	-	-	-	-	2,967.37	-	-	-		
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)	-	-	-	-	-	-	-	-	-	(179.84)	-		
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00	-	-	-	-	-	-	-	719.36	-	-	-		
Day Ahead Short-Term Reserve Amount	55500-0082	(10,000.00)	-	-	-	-	-	-	-	-	-	(899.20)	-		
Real Time Short-Term Reserve Amount	55500-0083	-	-	-	-	-	-	-	-	-	-	-	-		
Short-Term Reserve Cost Distribution Amount	55500-0085	77,000.00	-	-	-	-	-	-	-	2,427.85	-	-	-		
Short-Term Reserve Deployment Failure Charge Amount	55500-0086	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal		19,000.00	-	-	-	-	-	-	-	83,299	13,128.38	83,299	(11,418.89)		
Grand Total		6,936,869.26	-	-	-	-	-	-	-	83,299	693,079.90	83,299	(74,933.92)		

MINNESOTA POWER		Account Number	March 2024	Others - L1 Allocation				Others - Non L1 Allocation				Contract Sales			
MSO MONTHLY ALLOCATION		Number	March 2024	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue
Day Ahead and Real Time Energy															
Day Ahead Asset Energy	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Non-Asset Energy	55500-0007	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Asset Energy	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excessiva Energy Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Excessiva Energy Amount	55500-0068	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Non-Asset Energy	55500-0043	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	82,350	-	-	-	94,137	-	-	-
Day Ahead and Real Time Energy Loss															
Day Ahead Loss	44700-0000 of 55500-0000 of 55500-0050	3,593,773.99	-	-	-	-	-	328,510.76	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Loss	55500-0002	63,116.98	-	-	-	-	-	5,823.19	-	-	-	-	-	-	-
Real Time Loss	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Distribution of Losses	55500-0041	1445,000.00	-	-	-	-	-	-	-	-	(41,555.83)	-	-	-	-
Real Time Financial Bilateral Transaction Loss	55500-0038	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		3,211,890.97	-	-	-	-	-	82,350	335,333.95	82,350	(41,555.83)	94,137	-	-	94,137
Virtual Energy															
Day Ahead Virtual Energy	55500-0030	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Virtual Energy	55500-0049	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	82,350	-	82,350	-	94,137	-	-	94,137
Schedule 16A.17 - M															
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00	-	-	-	-	-	-	-	-	13,285.48	-	-	-	-
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00	-	-	-	-	-	-	-	-	1,476.16	-	-	-	-
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,400.00	-	-	-	-	-	-	-	-	313.68	-	-	-	-
Subtotal		163,400.00	-	-	-	-	-	82,350	15,075.33	82,350	-	94,137	-	-	94,137
Congestion, ETRs & AERs															
Day Ahead Congestion	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	63,116.98	-	-	-	-	-	5,823.19	-	-	-	-	-	-	-
Real Time Financial Bilateral Transaction Congestion	55500-0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Transaction Amount	55500-0058	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Annual Transaction Amount	55500-0069	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00	-	-	-	-	-	1,476.16	-	-	-	-	-	-	-
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	116,000.00	-	-	-	-	-	-	-	-	(10,702.19)	-	-	-	-
Financial Transmission Rights Hourly Allocation	55500-0032	54,184.32	-	-	-	-	-	4,999.06	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Allocation	55500-0033	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Yearly Allocation	55500-0035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Full Auction Clearance Amount	55500-0074	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FTR Guarantee Uplift Amount	55500-0076	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Transaction	55500-0034	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		17,301.30	-	-	-	-	-	82,350	12,298.42	82,350	(10,702.19)	94,137	-	-	94,137
RSD & Make Whole Payments															
Day Ahead Revenue Sufficiency Guarantees Distribution	55500-0008	29,000.00	-	-	-	-	-	2,675.55	-	-	-	-	-	-	-
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55500-0009	(21,000.00)	-	-	-	-	-	-	-	-	(1,937.47)	-	-	-	-
Real Time Price Volatility Make Whole Payment	55500-0057	(10,000.00)	-	-	-	-	-	-	-	-	(922.60)	-	-	-	-
Real Time Revenue Sufficiency Guarantees First Pass Only	55500-0046	160,000.00	-	-	-	-	-	14,761.65	-	-	-	-	-	-	-
Real Time Revenue Sufficiency Guarantees Make Whole Payments	55500-0047	(110,000.00)	-	-	-	-	-	-	-	-	(10,148.63)	-	-	-	-
Subtotal		48,000.00	-	-	-	-	-	82,350	17,437.19	82,350	(10,968.70)	94,137	-	-	94,137
RNU & Misc Charges															
Real Time Miscellaneous	55500-0042	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Net Inadvertent Distribution	55500-0044	2,000.00	-	-	-	-	-	184.52	-	-	-	-	-	-	-
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00	-	-	-	-	-	20,297.26	-	-	-	-	-	-	-
Real Time Unallocated Distribution	55500-0048	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demand Response Allocation Uplift Amount	55500-0077	33,000.00	-	-	-	-	-	3,044.59	-	-	-	-	-	-	-
Day Ahead Ramp Capability Amount	55500-0079	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Ramp Capability Amount	55500-0080	(1,000.00)	-	-	-	-	-	-	-	-	(92.26)	-	-	-	-
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00	-	-	-	-	-	2,491.03	-	-	-	-	-	-	-
Subtotal		281,000.00	-	-	-	-	-	82,350	26,017.40	82,350	(92.26)	94,137	-	-	94,137
Grandfathered Charge Types															
Day Ahead Congestion Rebate on Carve-Out Grandfathered	55500-0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Carve-Out Grandfathered	55500-0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Congestion Rebate on Option B Grandfathered	55500-0015	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Option B Grandfathered	55500-0016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Losses Rebate on Carve-Out Grandfathered	55500-0017	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion Rebate on Carve-Out Grandfathered	55500-0019	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	82,350	-	82,350	-	94,137	-	-	94,137
ASM Charge Types (FZ Other)															
Day Ahead Distribution Amount	55500-0082	(85,000.00)	-	-	-	-	-	-	-	-	(5,396.92)	-	-	-	-
Day Ahead Spinning Reserve Amount	55500-0083	(50,000.00)	-	-	-	-	-	-	-	-	(4,613.01)	-	-	-	-
Day Ahead Supplemental Reserve Amount	55500-0084	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contingency Reserve Deployment Failure Charge Amount	55500-0085	1,000.00	-	-	-	-	-	92.26	-	-	-	-	-	-	-
Net Generation Adjustment Amount	55500-0086	11,000.00	-	-	-	-	-	1,014.86	-	-	-	-	-	-	-
Real Time Regulation Reserve Cost Distribution Amount	55500-0071	16,000.00	-	-	-	-	-	3,598.15	-	-	-	-	-	-	-
Real Time Excessive Disposal Deployment Charge Amount	55500-0087	25,000.00	-	-	-	-	-	2,306.51	-	-	-	-	-	-	-
Real Time Spinning Reserve Amount	55500-0072	2,000.00	-	-	-	-	-	184.52	-	-	-	-	-	-	-
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00	-	-	-	-	-	3,044.59	-	-	-	-	-	-	-
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)	-	-	-	-	-	-	-	-	(184.52)	-	-	-	-
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00	-	-	-	-	-	738.09	-	-	-	-	-	-	-
Day Ahead Short-Term Reserve Amount	55500-0082	(10,000.00)	-	-	-	-	-	-	-	-	(922.60)	-	-	-	-
Real Time Short-Term Reserve Amount	55500-0083	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-Term Reserve Cost Distribution Amount	55500-0084	77,000.00	-	-	-	-	-	2,491.03	-	-	-	-	-	-	-
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		19,000.00	-	-	-	-	-	82,350	13,470.00	82,350	(11,717.06)	94,137	-	-	94,137
Grand Total		5,746,991.67	-	-	-	-	-	82,350	416,632.30	82,350	(76,576.64)	94,137	-	-	94,137

MINNESOTA POWER		Account Number	April 2024	Others - Location				Others - Non-Location				Contract Sales			
MSO MONTHLY ALLOCATION		Number	April 2024	Min	Wis	Ill	Revenue	Min	Wis	Ill	Revenue	Min	Wis	Ill	Revenue
Day Ahead and Real Time Energy															
Day Ahead Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Non-Asset Energy	55500-0007	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excessive Energy Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Excessive Energy Amount	55500-0068	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Non-Asset Energy	55500-0053	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	78,216	-	-	-	-	-	-	-	106,847
Day Ahead and Real Time Energy Loss															
Day Ahead Loss	44700-0000 of 55500-0000 or 55500-0050	3,484,314.16	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Loss	55500-0002	54,863.44	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Loss	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Distribution of Losses	55500-0041	1,445,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Financial Bilateral Transaction Loss	55500-0038	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		3,094,167.60	-	-	-	-	78,216	307,377.27	78,216	(38,295.15)	-	-	-	106,847	-
Virtual Energy															
Day Ahead Virtual Energy	55500-0030	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Virtual Energy	55500-0049	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	78,216	-	78,216	-	-	-	-	106,847	-
Schedule 16A.17 - M															
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,400.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		163,400.00	-	-	-	-	78,216	14,061.63	78,216	-	-	-	-	106,847	-
Congestion, FTRs & AERs															
Day Ahead Congestion	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	54,863.44	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Financial Bilateral Transaction Congestion	55500-0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Transaction Amount	55500-0058	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Annual Transaction Amount	55500-0059	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	116,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Hourly Allocation	55500-0032	54,184.32	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Allocation	55500-0033	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Yearly Allocation	55500-0035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Full Auction Clearance Amount	55500-0074	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FTR Guarantee Uplift Amount	55500-0076	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Transaction	55500-0034	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		9,037.76	-	-	-	-	78,216	10,760.31	78,216	(9,982.56)	-	-	-	106,847	-
RSD & Make Whole Payments															
Day Ahead Revenue Sufficiency Guarantees Distribution	55500-0008	29,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55500-0009	(21,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Price Volatility Make Whole Payment	55500-0057	(10,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Revenue Sufficiency Guarantees First Pass Only	55500-0046	160,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Revenue Sufficiency Guarantees Make Whole Payment	55500-0047	(110,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		48,000.00	-	-	-	-	78,216	16,264.68	78,216	(12,133.97)	-	-	-	106,847	-
RNG & Misc Charges															
Real Time Miscellaneous	55500-0042	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Net Inadvertent Distribution	55500-0044	2,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Unallocated Distribution	55500-0048	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demand Response Allocation Uplift Amount	55500-0077	33,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Ramp Capability Amount	55500-0079	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Ramp Capability Amount	55500-0080	(1,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		281,000.00	-	-	-	-	78,216	24,267.94	78,216	(66.06)	-	-	-	106,847	-
Grandfathered Charge Taxes															
Day Ahead Congestion Rebate on Carve Out Grandfathered	55500-0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Carve Out Grandfathered	55500-0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Congestion Rebate on Option B Grandfathered	55500-0015	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Option B Grandfathered	55500-0016	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Losses Rebate on Carve Out Grandfathered	55500-0040	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion Rebate on Carve Out Grandfathered	55500-0039	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	78,216	-	78,216	-	-	-	-	106,847	-
ASM Charge Taxes (FPE Other)															
Day Ahead Distribution Amount	55500-0082	(65,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Spinning Reserve Amount	55500-0083	(50,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Supplemental Reserve Amount	55500-0084	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contingency Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Reservations Adjustment Amount	55500-0086	1,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Reservations Amount	55500-0070	11,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Regulatory Reserve Cost Distribution Amount	55500-0071	19,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Excessive Delivered Deployment Charge Amount	55500-0087	25,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Spinning Reserve Amount	55500-0072	2,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Short-Term Reserve Amount	55500-0082	(10,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Short-Term Reserve Amount	55500-0083	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-Term Reserve Cost Distribution Amount	55500-0084	77,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		19,000.00	-	-	-	-	78,216	12,564.25	78,216	(10,925.18)	-	-	-	106,847	-
Grand Total		3,614,605.57	-	-	-	-	78,216	385,266.09	78,216	(71,426.81)	-	-	-	106,847	-

MINNESOTA POWER		Account		Others - Levitation				Others - Non-Levitation				Contract Sales				
MISO MONTHLY ALLOCATION		Number	May 2024	Mon	Tue	Wed	Thu	Mon	Tue	Wed	Thu	Mon	Tue	Wed	Thu	
Day Ahead and Real Time Energy																
Day Ahead Asset Energy	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Day Ahead Non-Asset Energy	55500-0007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Asset Energy	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Excessiva Energy Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Non-Excessiva Energy Amount	55500-0068	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Non-Asset Energy	55500-0043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal		-	-	-	-	-	-	67,580	-	67,580	-	-	-	113,261	-	
Day Ahead and Real Time Energy Loss																
Day Ahead Loss	44700-0000 of 55500-0000 of 55500-0050	2,969,212.57	-	-	-	-	-	244,355.42	-	-	-	-	-	-	-	
Day Ahead Financial Bilateral Transaction Loss	55500-0002	57,118.69	-	-	-	-	-	4,717.88	-	-	-	-	-	-	-	
Real Time Loss	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Distribution of Losses	55500-0041	1,445,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Financial Bilateral Transaction Loss	55500-0038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal		2,581,331.25	-	-	-	-	-	67,580	249,073.30	67,580	(34,756.06)	-	-	113,261	-	
Virtual Energy																
Day Ahead Virtual Energy	55500-0030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Virtual Energy	55500-0049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal		-	-	-	-	-	-	67,580	-	67,580	-	-	-	113,261	-	
Schedule 16A.17 - M																
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00	-	-	-	-	-	11,894.10	-	-	-	-	-	-	-	
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00	-	-	-	-	-	1,321.57	-	-	-	-	-	-	-	
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,400.00	-	-	-	-	-	280.83	-	-	-	-	-	-	-	
Subtotal		163,400.00	-	-	-	-	-	67,580	13,496.49	67,580	-	-	-	113,261	-	
Congestion, FTRs & AERs																
Day Ahead Congestion	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Congestion	44700-0000 of 55500-0000 of 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	57,118.69	-	-	-	-	-	4,717.88	-	-	-	-	-	-	-	
Real Time Financial Bilateral Transaction Congestion	55500-0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auction Revenue Rights Transaction Amount	55500-0058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Financial Transmission Rights Annual Transaction Amount	55500-0059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00	-	-	-	-	-	1,321.57	-	-	-	-	-	-	-	
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	116,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	
Financial Transmission Rights Hourly Allocation	55500-0032	54,184.32	-	-	-	-	-	4,475.51	-	-	-	-	-	-	-	
Financial Transmission Rights Monthly Allocation	55500-0033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Financial Transmission Rights Yearly Allocation	55500-0035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Financial Transmission Rights Full Auction Guarantee Amount	55500-0074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
FTR Guarantee Uplift Amount	55500-0075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Financial Transmission Rights Transaction	55500-0034	11,303.01	-	-	-	-	-	67,580	10,514.96	67,580	(9,581.35)	-	-	113,261	-	
Subtotal		11,303.01	-	-	-	-	-	67,580	10,514.96	67,580	(9,581.35)	-	-	113,261	-	
RSD & Make Whole Payments																
Day Ahead Revenue Sufficiency Guarantee Distribution	55500-0008	29,000.00	-	-	-	-	-	2,395.34	-	-	-	-	-	-	-	
Day Ahead Revenue Sufficiency Guarantee Make Whole Payment	55500-0009	(21,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Price Volatility Make Whole Payment	55500-0057	10,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Revenue Sufficiency Guarantee First Pass Out	55500-0046	160,000.00	-	-	-	-	-	13,215.66	-	-	-	-	-	-	-	
Real Time Revenue Sufficiency Guarantee Make Whole Payment	55500-0047	(110,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal		48,000.00	-	-	-	-	-	67,580	15,611.00	67,580	(11,846.30)	-	-	113,261	-	
RNU & Misc Charges																
Real Time Miscellaneous	55500-0042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Net Inadvertent Distribution	55500-0044	2,000.00	-	-	-	-	-	165.20	-	-	-	-	-	-	-	
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00	-	-	-	-	-	18,171.53	-	-	-	-	-	-	-	
Real Time Unallocated Distribution	55500-0048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Demand Response Allocation Uplift Amount	55500-0077	33,000.00	-	-	-	-	-	2,725.73	-	-	-	-	-	-	-	
Day Ahead Ramp Capability Amount	55500-0079	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Ramp Capability Amount	55500-0080	(1,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00	-	-	-	-	-	2,230.14	-	-	-	-	-	-	-	
Subtotal		281,000.00	-	-	-	-	-	67,580	23,292.60	67,580	(82.60)	-	-	113,261	-	
Grandfathered Charge Types																
Day Ahead Congestion Rebate on Carve Out Grandfathered	55500-0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Day Ahead Losses Rebate on Carve Out Grandfathered	55500-0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Day Ahead Congestion Rebate on Option B Grandfathered	55500-0015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Day Ahead Losses Rebate on Option B Grandfathered	55500-0016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Losses Rebate on Carve Out Grandfathered	55500-0040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Congestion Rebate on Carve Out Grandfathered	55500-0039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal		-	-	-	-	-	-	67,580	-	67,580	-	-	-	113,261	-	
ASM Charge Types (FZ Other)																
Day Ahead Distribution Amount	55500-0082	165,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	
Day Ahead Spinning Reserve Amount	55500-0083	150,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	
Day Ahead Supplemental Reserve Amount	55500-0084	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Contingency Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Net Generation Adjustment Amount	55500-0086	1,000.00	-	-	-	-	-	82.60	-	-	-	-	-	-	-	
Real Time Regulation Amount	55500-0070	11,000.00	-	-	-	-	-	908.58	-	-	-	-	-	-	-	
Regulation Reserve Cost Distribution Amount	55500-0071	18,000.00	-	-	-	-	-	3,221.32	-	-	-	-	-	-	-	
Real Time Excessive Dispatch Deployment Charge Amount	55500-0087	25,000.00	-	-	-	-	-	2,064.95	-	-	-	-	-	-	-	
Real Time Spinning Reserve Amount	55500-0072	2,000.00	-	-	-	-	-	165.20	-	-	-	-	-	-	-	
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00	-	-	-	-	-	2,725.73	-	-	-	-	-	-	-	
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00	-	-	-	-	-	660.78	-	-	-	-	-	-	-	
Day Ahead Short-Term Reserve Amount	55500-0082	110,000.00	-	-	-	-	-	-	-	-	-	-	-	-	-	
Real Time Short-Term Reserve Amount	55500-0083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Short-Term Reserve Cost Distribution Amount	55500-0084	77,000.00	-	-	-	-	-	2,230.14	-	-	-	-	-	-	-	
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal		19,000.00	-	-	-	-	-	67,580	12,059.29	67,580	(10,489.93)	-	-	113,261	-	
Grand Total		3,104,034.54	-	-	-	-	-	67,580	324,047.65	67,580	(64,556.24)	-	-	113,261	-	

MINNESOTA POWER		Account Number	June 2024	Others - Limitation			Others - Non-Limitation			Contract Sales					
MSO MONTHLY ALLOCATION		Number	June 2024	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue
Day Ahead and Real Time Energy															
Day Ahead Asset Energy	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Non-Asset Energy	55500-0007	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Asset Energy	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excessive Energy Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Excessive Energy Amount	55500-0068	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Non-Asset Energy	55500-0053	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead and Real Time Energy Loss															
Day Ahead Loss	44700-0000 or 55500-0000 or 55500-0050	2,783,402.54	-	-	-	-	-	299,223.17	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Loss	55500-0002	35,788.04	-	-	-	-	-	3,894.84	-	-	-	-	-	-	-
Real Time Loss	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Distribution of Losses	55500-0041	1,445,000.00	-	-	-	-	-	-	-	-	(48,429.73)	-	-	-	-
Real Time Financial Bilateral Transaction Loss	55500-0038	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		2,374,190.59	-	-	-	-	-	87,403	303,118.01	87,403	(48,429.73)	-	-	-	81,294
Virtual Energy															
Day Ahead Virtual Energy	55500-0030	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Virtual Energy	55500-0049	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Markets & A.I. - M															
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00	-	-	-	-	-	15,871.64	-	-	-	-	-	-	-
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00	-	-	-	-	-	1,741.29	-	-	-	-	-	-	-
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,800.00	-	-	-	-	-	370.02	-	-	-	-	-	-	-
Subtotal		163,800.00	-	-	-	-	-	87,403	17,782.96	87,403	-	-	-	-	81,294
Congestion, ETRs & AERs															
Day Ahead Congestion	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion	44700-0000 or 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	35,788.04	-	-	-	-	-	3,894.84	-	-	-	-	-	-	-
Real Time Financial Bilateral Transaction Congestion	55500-0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Transaction Amount	55500-0058	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Annual Transaction Amount	55500-0059	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00	-	-	-	-	-	1,741.29	-	-	-	-	-	-	-
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	116,000.00	-	-	-	-	-	-	-	-	(12,624.38)	-	-	-	-
Financial Transmission Rights Hourly Allocation	55500-0032	874,503.08	-	-	-	-	-	-	-	-	(95,172.92)	-	-	-	-
Financial Transmission Rights Monthly Allocation	55500-0033	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Yearly Allocation	55500-0035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Full Cycle Quarterly Amount	55500-0034	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FTX Quarterly Uplift Amount	55500-0066	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Transaction	55500-0034	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		938,715.04	-	-	-	-	-	87,403	5,636.14	87,403	(107,797.29)	-	-	-	81,294
RSD & Make Whole Payments															
Day Ahead Revenue Sufficiency Guarantees Distribution	55500-0008	29,000.00	-	-	-	-	-	3,156.09	-	-	-	-	-	-	-
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55500-0009	(21,000.00)	-	-	-	-	-	-	-	-	(2,285.45)	-	-	-	-
Real Time Price Volatility Make Whole Payment	55500-0057	(10,000.00)	-	-	-	-	-	-	-	-	(1,088.31)	-	-	-	-
Real Time Revenue Sufficiency Guarantees First Pass Out	55500-0046	160,000.00	-	-	-	-	-	17,412.94	-	-	-	-	-	-	-
Real Time Revenue Sufficiency Guarantees Make Whole Payment	55500-0047	(110,000.00)	-	-	-	-	-	-	-	-	(11,971.39)	-	-	-	-
Subtotal		48,000.00	-	-	-	-	-	87,403	20,569.03	87,403	(15,345.15)	-	-	-	81,294
RNU & Misc Charges															
Real Time Miscellaneous	55500-0042	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Net Inadvertent Distribution	55500-0044	2,000.00	-	-	-	-	-	217.66	-	-	-	-	-	-	-
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00	-	-	-	-	-	23,942.79	-	-	-	-	-	-	-
Real Time Untransacted Distribution	55500-0048	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demand Response Allocation Uplift Amount	55500-0077	33,000.00	-	-	-	-	-	3,591.42	-	-	-	-	-	-	-
Day Ahead Ramp Capability Amount	55500-0079	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Ramp Capability Amount	55500-0080	(1,000.00)	-	-	-	-	-	-	-	-	(106.83)	-	-	-	-
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00	-	-	-	-	-	2,938.43	-	-	-	-	-	-	-
Subtotal		281,000.00	-	-	-	-	-	87,403	30,690.30	87,403	(108.83)	-	-	-	81,294
Grandfathered Charge Taxes															
Day Ahead Congestion Rebate on Carve Out Grandfathered	55500-0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Carve Out Grandfathered	55500-0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Congestion Rebate on Option A Grandfathered	55500-0005	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Option B Grandfathered	55500-0006	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Losses Rebate on Carve Out Grandfathered	55500-0040	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion Rebate on Carve Out Grandfathered	55500-0039	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	87,403	-	87,403	-	-	-	-	81,294
ASM Charge Taxes (FPE Other)															
Day Ahead Distribution Amount	55500-0082	(65,000.00)	-	-	-	-	-	-	-	-	(7,074.01)	-	-	-	-
Day Ahead Spinning Reserve Amount	55500-0083	(50,000.00)	-	-	-	-	-	-	-	-	(5,441.54)	-	-	-	-
Day Ahead Supplemental Reserve Amount	55500-0084	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contingency Reserve Deployment Failure Charge Amount	55500-0068	1,000.00	-	-	-	-	-	108.83	-	-	-	-	-	-	-
Net Reservations Adjustment Amount	55500-0069	11,000.00	-	-	-	-	-	1,197.14	-	-	-	-	-	-	-
Real Time Reservations Cost Distribution Amount	55500-0070	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Regulatory Reserve Cost Distribution Amount	55500-0071	18,000.00	-	-	-	-	-	4,244.40	-	-	-	-	-	-	-
Real Time Excessive Delivered Deployment Charge Amount	55500-0087	25,000.00	-	-	-	-	-	2,720.77	-	-	-	-	-	-	-
Real Time Spinning Reserve Amount	55500-0072	2,000.00	-	-	-	-	-	217.66	-	-	-	-	-	-	-
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00	-	-	-	-	-	3,591.42	-	-	-	-	-	-	-
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)	-	-	-	-	-	-	-	-	(217.66)	-	-	-	-
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00	-	-	-	-	-	870.65	-	-	-	-	-	-	-
Day Ahead Short-Term Reserve Amount	55500-0082	(10,000.00)	-	-	-	-	-	-	-	-	(1,088.31)	-	-	-	-
Real-Time Short-Term Reserve Amount	55500-0083	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-Term Reserve Cost Distribution Amount	55500-0084	77,000.00	-	-	-	-	-	2,938.43	-	-	-	-	-	-	-
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		19,000.00	-	-	-	-	-	87,403	15,889.30	87,403	(13,821.52)	-	-	-	81,294
Grand Total		1,946,875.54	-	-	-	-	-	87,403	303,685.75	87,403	(185,509.52)	-	-	-	81,294

MINNESOTA POWER		Account Number	Others - Liquidation				Others - Non-Liquidation				Contract Sales			
MSFC MONTHLY ALLOCATION		July 2024	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue
Day Ahead and Real Time Energy														
Day Ahead Asset Energy	44700-0000 or 55500-0000 or 55500-0050	-												
Day Ahead Non-Asset Energy	55500-0007	-												
Real Time Asset Energy	44700-0000 or 55500-0000 or 55500-0050	-												
Excessive Energy Amount	55500-0056	-												
Non-Excessive Energy Amount	55500-0068	-												
Real Time Non-Asset Energy	55500-0053	-												
Subtotal		-					90,470						111,800	
Day Ahead and Real Time Energy Loss														
Day Ahead Loss	44700-0000 or 55500-0000 or 55500-0050	5,490,204.06												
Day Ahead Financial Bilateral Transaction Loss	55500-0002	48,994.99												
Real Time Loss	44700-0000 or 55500-0000 or 55500-0050	-												
Real Time Distribution of Losses	55500-0041	1445,000.00												
Real Time Financial Bilateral Transaction Loss	55500-0038	-												
Subtotal		5,994,199.04					90,470	553,188.93	90,470	144,881.04			111,800	
Virtual Energy														
Day Ahead Virtual Energy	55500-0030	-												
Real Time Virtual Energy	55500-0049	-												
Subtotal		-					90,470		90,470				111,800	
Schedule 16A.17 - M														
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00												
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00												
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,600.00												
Subtotal		163,600.00					90,470	16,479.92	90,470				111,800	
Congestion, ETRs & AERs														
Day Ahead Congestion	44700-0000 or 55500-0000 or 55500-0050	-												
Real Time Congestion	44700-0000 or 55500-0000 or 55500-0050	-												
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	48,994.99												
Real Time Financial Bilateral Transaction Congestion	55500-0037	-												
Auction Revenue Rights Transaction Amount	55500-0058	-												
Financial Transmission Rights Annual Transaction Amount	55500-0009	-												
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00												
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	116,000.00												
Financial Transmission Rights Hourly Allocation	55500-0032	874,503.08												
Financial Transmission Rights Monthly Allocation	55500-0033	-												
Financial Transmission Rights Yearly Allocation	55500-0035	-												
Financial Transmission Rights Full Quarter Guarantees Amount	55500-0064	-												
FTX Guarantees Uplift Amount	55500-0066	-												
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-												
Financial Transmission Rights Transaction	55500-0034	-												
Subtotal		925,508.10					90,470	6,555.15	90,470	799,896.463			111,800	
RSD & Make Whole Payments														
Day Ahead Revenue Sufficiency Guarantees Distribution	55500-0008	29,000.00												
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55500-0009	(21,000.00)												
Real Time Price Volatility Make Whole Payment	55500-0057	10,000.00												
Real Time Revenue Sufficiency Guarantees First Price Bid	55500-0046	160,000.00												
Real Time Revenue Sufficiency Guarantees Make Whole Payments	55500-0047	(113,000.00)												
Subtotal		48,000.00					90,470	19,061.84	90,470	(14,228.74)			111,800	
RNU & Misc Charges														
Real Time Miscellaneous	55500-0042	-												
Real Time Net Inadvertent Distribution	55500-0044	2,000.00												
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00												
Real Time Untransacted Doublon	55500-0048	-												
Demand Response Allocation Uplift Amount	55500-0077	33,000.00												
Day Ahead Ramp Capability Amount	55500-0076	-												
Real Time Ramp Capability Amount	55500-0080	(1,000.00)												
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00												
Subtotal		281,000.00					90,470	28,441.47	90,470	(100.86)			111,800	
Grandfathered Charge Taxes														
Day Ahead Congestion Rebate on Carve Out Grandfathered	55500-0013	-												
Day Ahead Losses Rebate on Carve Out Grandfathered	55500-0014	-												
Day Ahead Congestion Rebate on Option A Grandfathered	55500-0005	-												
Day Ahead Losses Rebate on Option B Grandfathered	55500-0006	-												
Real Time Losses Rebate on Carve Out Grandfathered	55500-0040	-												
Real Time Congestion Rebate on Carve Out Grandfathered	55500-0009	-												
Subtotal		-					90,470		90,470				111,800	
ASM Charge Taxes (If Other)														
Day Ahead Distribution Amount	55500-0062	85,000.00												
Day Ahead Spinning Reserve Amount	55500-0081	150,000.00												
Day Ahead Supplemental Reserve Amount	55500-0084	-												
Contingency Reserve Deployment Failure Charge Amount	55500-0066	-												
Net Generation Adjustment Amount	55500-0068	1,000.00												
Real Time Resonance Amount	55500-0070	11,000.00												
Regulation Reserve Cost Distribution Amount	55500-0074	90,000.00												
Real Time Excessive Delivered Deployment Charge Amount	55500-0087	25,000.00												
Real Time Spinning Reserve Amount	55500-0072	2,000.00												
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00												
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)												
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00												
Day Ahead Short-Term Reserve Amount	55500-0082	10,000.00												
Real-Time Short-Term Reserve Amount	55500-0083	-												
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	77,000.00												
Subtotal		19,000.00					90,470	14,725.02	90,470	(12,808.75)			111,800	
Grand Total		4,680,000.94					90,470	638,452.93	90,470	(171,909.64)			111,800	

MINNESOTA POWER		Account		Others - Location				Others - Non-Location				Contract Sales			
MSO MONTHLY ALLOCATION		Number	August 2024	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue
Day Ahead and Real Time Energy															
Day Ahead Asset Energy	44700-0000 of 55000-0000 or 55000-0050														
Day Ahead Non-Asset Energy	55000-0050														
Real Time Asset Energy	44700-0000 of 55000-0000 or 55000-0050														
Excessive Energy Amount	55000-0056														
Non-Excessive Energy Amount	55000-0068														
Real Time Non-Asset Energy	55000-0053														
Subtotal								90,083						119,713	
Day Ahead and Real Time Energy Loss															
Day Ahead Loss	44700-0000 of 55000-0000 or 55000-0050		5,737,649.26					583,384.34							
Day Ahead Financial Bilateral Transaction Loss	55000-0002		45,864.53					4,680.40							
Real Time Loss	44700-0000 of 55000-0000 or 55000-0050														
Real Time Distribution of Losses	55000-0041		1445,000.00								(45,411.56)				
Real Time Financial Bilateral Transaction Loss	55000-0038														
Subtotal			5,338,513.79					90,083	588,064.74	90,083	(45,411.56)			119,713	
Virtual Energy															
Day Ahead Virtual Energy	55000-0030														
Real Time Virtual Energy	55000-0049														
Subtotal								90,083		90,083				119,713	
Schedule 6A.17 - M															
Day Ahead Market Administration (Schedule 17)	55000-0020		144,000.00					14,694.98							
Real Time Market Administration (Schedule 17)	55000-0036		16,000.00					1,632.78							
Financial Transmission Rights Market Administration (Schedule 17)	55000-0031		3,400.00					345.96							
Subtotal			163,400.00					90,083	16,674.72	90,083				119,713	
Congestion, FTRs & AERs															
Day Ahead Congestion	44700-0000 of 55000-0000 or 55000-0050														
Real Time Congestion	44700-0000 of 55000-0000 or 55000-0050														
Day Ahead Financial Bilateral Transaction Congestion	55000-0021		45,864.53					4,680.40							
Real Time Financial Bilateral Transaction Congestion	55000-0037														
Auction Revenue Rights Transaction Amount	55000-0058														
Financial Transmission Rights Annual Transaction Amount	55000-0069														
Auction Revenue Rights Infeasible Uplift Amount	55000-0065		16,000.00					1,632.78							
Auction Revenue Rights Stage 2 Distribution Amount	55000-0061		116,000.00								(11,837.62)				
Financial Transmission Rights Hourly Allocation	55000-0032		874,503.08								(89,241.67)				
Financial Transmission Rights Monthly Allocation	55000-0033														
Financial Transmission Rights Yearly Allocation	55000-0035														
Financial Transmission Rights Full Quarter Charges Amount	55000-0074														
FTR Guarantee Uplift Amount	55000-0076														
Financial Transmission Rights Monthly Transaction Amount	55000-0066														
Financial Transmission Rights Transaction	55000-0034														
Subtotal			928,638.55					90,083	6,313.18	90,083	(101,079.29)			119,713	
RISQ & Make Whole Payments															
Day Ahead Revenue Sufficiency Guarantees Distribution	55000-0008		29,000.00					2,959.40							
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55000-0009		(21,000.00)								(2,143.02)				
Real Time Price Volatility Make Whole Payment	55000-0057		10,000.00								(1,020.48)				
Real Time Revenue Sufficiency Guarantees First Pass Out	55000-0046		160,000.00					16,327.75							
Real Time Revenue Sufficiency Guarantees Make Whole Payment	55000-0047		(110,000.00)								(11,225.33)				
Subtotal			48,000.00					90,083	19,287.16	90,083	(14,388.83)			119,713	
RNG & Misc Charges															
Real Time Miscellaneous	55000-0042														
Real Time Net Inadvertent Distribution	55000-0044		2,000.00					204.10							
Real Time Revenue Neutrality Uplift Amount	55000-0045		230,000.00					22,460.66							
Real Time Unallocated Distribution	55000-0048														
Demand Response Allocation Uplift Amount	55000-0077		33,000.00					3,367.60							
Day Ahead Ramp Capability Amount	55000-0079														
Real Time Ramp Capability Amount	55000-0080		(1,000.00)								(102.06)				
Real Time Schedule #1 Cost Distribution Amount	55000-0081		27,000.00					2,755.31							
Subtotal			281,000.00					90,083	28,777.66	90,083	(102.06)			119,713	
Grandfathered Charge Taxes															
Day Ahead Congestion Rebate on Carve Out Grandfathered	55000-0013														
Day Ahead Losses Rebate on Carve Out Grandfathered	55000-0014														
Day Ahead Congestion Rebate on Option A Grandfathered	55000-0005														
Day Ahead Losses Rebate on Option B Grandfathered	55000-0006														
Real Time Losses Rebate on Carve Out Grandfathered	55000-0040														
Real Time Congestion Rebate on Carve Out Grandfathered	55000-0039														
Subtotal								90,083		90,083				119,713	
ASM Charge Taxes (F) Other															
Day Ahead Distribution Amount	55000-0082		(85,000.00)								(8,633.15)				
Day Ahead Spinning Reserve Amount	55000-0083		(50,000.00)								(5,102.42)				
Day Ahead Supplemental Reserve Amount	55000-0084														
Contingency Reserve Deployment Failure Charge Amount	55000-0066		1,000.00					102.06							
Net Reservations Adjustment Amount	55000-0086		11,000.00					1,122.53							
Real Time Reservations Amount	55000-0070														
Regulatory Reserve Cost Distribution Amount	55000-0074		19,000.00					3,979.89							
Real Time Excessive Deliverer Deployment Charge Amount	55000-0087		25,000.00					2,551.21							
Real Time Spinning Reserve Amount	55000-0072		2,000.00					204.10							
Spinning Reserve Cost Distribution Amount	55000-0073		33,000.00					3,367.60							
Real Time Supplemental Reserve Amount	55000-0074		(2,000.00)								(204.10)				
Supplemental Reserve Cost Distribution Amount	55000-0075		8,000.00					816.39							
Day Ahead Short-Term Reserve Amount	55000-0082		(10,000.00)								(1,020.48)				
Real-Time Short-Term Reserve Amount	55000-0083														
Short-Term Reserve Cost Distribution Amount	55000-0084		77,000.00					2,755.31							
Short-Term Reserve Deployment Failure Charge Amount	55000-0085														
Subtotal			19,000.00					90,083	14,899.07	90,083	(12,960.15)			119,713	
Grand Total			4,921,975.24					90,083	674,016.62	90,083	(173,941.88)			119,713	

MINNESOTA POWER		September 2024		Others - Levitation				Others - Non-Levitation				Contract Sales			
MSB MONTHLY ALLOCATION		Account Number	September 2024	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue	Mar	Apr	May	Revenue
Day Ahead and Real Time Energy															
Day Ahead Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Non-Asset Energy	55500-0007	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excessive Energy Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Excessive Energy Amount	55500-0068	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Non-Asset Energy	55500-0043	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	86,918	-	-	-	-	-	-	-	99,382
Day Ahead and Real Time Energy Loss															
Day Ahead Loss	44700-0000 of 55500-0000 or 55500-0050	3,965,951.73	-	-	-	-	-	422,759.50	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Loss	55500-0002	103,482.81	-	-	-	-	-	11,102.06	-	-	-	-	-	-	-
Real Time Loss	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Distribution of Losses	55500-0041	1445,000.00	-	-	-	-	-	-	-	-	(47,741.41)	-	-	-	-
Real Time Financial Bilateral Transaction Loss	55500-0038	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		3,524,434.54	-	-	-	-	-	86,918	433,861.56	86,918	(47,741.41)	-	-	-	99,382
Virtual Energy															
Day Ahead Virtual Energy	55500-0030	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Virtual Energy	55500-0049	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	86,918	-	86,918	-	-	-	-	99,382
Schedule 16A.17 - M															
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00	-	-	-	-	-	15,448.90	-	-	-	-	-	-	-
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00	-	-	-	-	-	1,716.54	-	-	-	-	-	-	-
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,400.00	-	-	-	-	-	364.77	-	-	-	-	-	-	-
Subtotal		163,400.00	-	-	-	-	-	86,918	17,530.21	86,918	-	-	-	-	99,382
Congestion, FTRs & AERs															
Day Ahead Congestion	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	103,482.81	-	-	-	-	-	11,102.06	-	-	-	-	-	-	-
Real Time Financial Bilateral Transaction Congestion	55500-0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Transaction Amount	55500-0058	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Annual Transaction Amount	55500-0059	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00	-	-	-	-	-	1,716.54	-	-	-	-	-	-	-
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	116,000.00	-	-	-	-	-	-	-	-	(12,444.95)	-	-	-	-
Financial Transmission Rights Hourly Allocation	55500-0032	518,265.63	-	-	-	-	-	-	-	-	(55,801.64)	-	-	-	-
Financial Transmission Rights Monthly Allocation	55500-0033	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Yearly Allocation	55500-0035	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Full Auction Quarterly Amount	55500-0074	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FTR Quarterly Uplift Amount	55500-0076	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Transaction	55500-0034	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		(514,782.82)	-	-	-	-	-	86,918	12,818.60	86,918	(68,046.59)	-	-	-	99,382
RISQ & Make Whole Payments															
Day Ahead Revenue Sufficiency Guarantees Distribution	55500-0008	29,000.00	-	-	-	-	-	3,111.24	-	-	-	-	-	-	-
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55500-0009	(21,000.00)	-	-	-	-	-	-	-	-	(2,252.97)	-	-	-	-
Real Time Price Volatility Make Whole Payment	55500-0057	10,000.00	-	-	-	-	-	-	-	-	(1,072.84)	-	-	-	-
Real Time Revenue Sufficiency Guarantees First Pass Only	55500-0046	160,000.00	-	-	-	-	-	17,165.45	-	-	-	-	-	-	-
Real Time Revenue Sufficiency Guarantees Make Whole Payment	55500-0047	(110,000.00)	-	-	-	-	-	-	-	-	(11,801.25)	-	-	-	-
Subtotal		48,000.00	-	-	-	-	-	86,918	20,276.69	86,918	(15,127.09)	-	-	-	99,382
RNU & Misc Charges															
Real Time Miscellaneous	55500-0042	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Net Inadvertent Distribution	55500-0044	2,000.00	-	-	-	-	-	214.57	-	-	-	-	-	-	-
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00	-	-	-	-	-	23,602.49	-	-	-	-	-	-	-
Real Time Unallocated Distribution	55500-0048	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Demand Response Allocation Uplift Amount	55500-0077	33,000.00	-	-	-	-	-	3,540.37	-	-	-	-	-	-	-
Day Ahead Ramp Capability Amount	55500-0079	-	-	-	-	-	-	-	-	-	(107.28)	-	-	-	-
Real Time Ramp Capability Amount	55500-0080	(1,000.00)	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00	-	-	-	-	-	2,896.87	-	-	-	-	-	-	-
Subtotal		281,000.00	-	-	-	-	-	86,918	30,254.10	86,918	(107.28)	-	-	-	99,382
Grandfathered Charge Taxes															
Day Ahead Congestion Rebate on Carve Out Grandfathered	55500-0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Carve Out Grandfathered	55500-0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Congestion Rebate on Option B Grandfathered	55500-0025	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Option B Grandfathered	55500-0026	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion Rebate on Carve Out Grandfathered	55500-0040	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Losses Rebate on Carve Out Grandfathered	55500-0039	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	86,918	-	86,918	-	-	-	-	99,382
ASM Charge Taxes (FTR Other)															
Day Ahead Distribution Amount	55500-0082	(85,000.00)	-	-	-	-	-	-	-	-	(8,373.46)	-	-	-	-
Day Ahead Spinning Reserve Amount	55500-0083	(50,000.00)	-	-	-	-	-	-	-	-	(5,364.23)	-	-	-	-
Day Ahead Supplemental Reserve Amount	55500-0084	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contingency Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Generation Adjustment Amount	55500-0086	1,000.00	-	-	-	-	-	107.28	-	-	-	-	-	-	-
Real Time Regulation Amount	55500-0070	11,000.00	-	-	-	-	-	1,180.12	-	-	-	-	-	-	-
Regulation Reserve Cost Distribution Amount	55500-0071	19,000.00	-	-	-	-	-	4,184.08	-	-	-	-	-	-	-
Real Time Excessive Dispatch Deployment Charge Amount	55500-0087	25,000.00	-	-	-	-	-	2,682.10	-	-	-	-	-	-	-
Real Time Spinning Reserve Amount	55500-0072	2,000.00	-	-	-	-	-	214.57	-	-	-	-	-	-	-
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00	-	-	-	-	-	3,540.37	-	-	-	-	-	-	-
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)	-	-	-	-	-	-	-	-	(214.57)	-	-	-	-
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00	-	-	-	-	-	858.27	-	-	-	-	-	-	-
Day Ahead Short-Term Reserve Amount	55500-0082	(10,000.00)	-	-	-	-	-	-	-	-	(1,072.84)	-	-	-	-
Real Time Short-Term Reserve Amount	55500-0083	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-Term Reserve Cost Distribution Amount	55500-0084	77,000.00	-	-	-	-	-	2,896.87	-	-	-	-	-	-	-
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		19,000.00	-	-	-	-	-	86,918	15,663.47	86,918	(13,625.08)	-	-	-	99,382
Grand Total		3,621,651.73	-	-	-	-	-	86,918	530,484.64	86,918	(144,647.41)	-	-	-	99,382

MINNESOTA POWER		October 2024			Others - Legislation			Others - Non-Legislation			Contract Sales		
Account Number		Mar	Apr	May	Mar	Apr	May	Mar	Apr	May	Mar	Apr	May
MISC MONTHLY ALLOCATION													
Day Ahead and Real Time Energy													
Day Ahead Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Non-Asset Energy	55500-0007	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-
Excessive Energy Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-
Non-Excessive Energy Amount	55500-0068	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Non-Asset Energy	55500-0043	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead and Real Time Energy Loss													
Day Ahead Loss	44700-0000 of 55500-0000 or 55500-0050	4,571,367.13	-	-	-	-	-	421,908.28	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Loss	55500-0002	101,369.60	-	-	-	-	-	9,382.29	-	-	-	-	-
Real Time Loss	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Distribution of Losses	55500-0041	1445,000.00	-	-	-	-	-	-	-	(41,187.08)	-	-	-
Real Time Financial Bilateral Transaction Loss	55500-0038	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		4,227,726.73	-	-	-	-	-	80,607	431,290.57	80,607	(41,187.08)	117,338	-
Virtual Energy													
Day Ahead Virtual Energy	55500-0030	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Virtual Energy	55500-0049	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	-	-	-	-	-	-
Account 55A.17 - M													
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00	-	-	-	-	-	13,327.95	-	-	-	-	-
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00	-	-	-	-	-	1,480.88	-	-	-	-	-
Financial Transmission Rights Market Administration (Schedule 17)	55500-0031	3,400.00	-	-	-	-	-	314.69	-	-	-	-	-
Subtotal		163,400.00	-	-	-	-	-	80,607	15,123.53	80,607	-	117,338	-
Congestion, ETRs & AERs													
Day Ahead Congestion	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion	44700-0000 of 55500-0000 or 55500-0050	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	101,369.60	-	-	-	-	-	9,382.29	-	-	-	-	-
Real Time Financial Bilateral Transaction Congestion	55500-0037	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Transaction Amount	55500-0058	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Annual Transaction Amount	55500-0059	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00	-	-	-	-	-	1,480.88	-	-	-	-	-
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	116,000.00	-	-	-	-	-	-	-	(10,736.41)	-	-	-
Financial Transmission Rights Hourly Allocation	55500-0032	518,265.63	-	-	-	-	-	-	-	(47,968.20)	-	-	-
Financial Transmission Rights Monthly Allocation	55500-0033	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Yearly Allocation	55500-0035	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Full Quarter Charges Amount	55500-0034	-	-	-	-	-	-	-	-	-	-	-	-
FTX Quarterly Uplift Amount	55500-0066	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Transaction	55500-0034	516,896.03	-	-	-	-	-	80,607	10,863.17	80,607	(58,704.61)	117,338	-
Subtotal		516,896.03	-	-	-	-	-	80,607	10,863.17	80,607	(58,704.61)	117,338	-
RSD & Make Whole Payments													
Day Ahead Revenue Sufficiency Guarantees Distribution	55500-0008	29,000.00	-	-	-	-	-	2,684.10	-	-	-	-	-
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55500-0009	(21,000.00)	-	-	-	-	-	-	-	(1,943.66)	-	-	-
Real Time Price Volatility Make Whole Payment	55500-0057	10,000.00	-	-	-	-	-	-	-	(925.55)	-	-	-
Real Time Revenue Sufficiency Guarantees First Pass Out	55500-0046	160,000.00	-	-	-	-	-	14,808.84	-	-	-	-	-
Real Time Revenue Sufficiency Guarantees Make Whole Payment	55500-0047	(110,000.00)	-	-	-	-	-	-	-	(10,181.09)	-	-	-
Subtotal		48,000.00	-	-	-	-	-	80,607	17,492.34	80,607	(13,090.29)	117,338	-
RNU & Misc Charges													
Real Time Miscellaneous	55500-0042	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Net Inadvertent Distribution	55500-0044	2,000.00	-	-	-	-	-	185.11	-	-	-	-	-
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00	-	-	-	-	-	20,362.15	-	-	-	-	-
Real Time Untransacted Distribution	55500-0048	-	-	-	-	-	-	-	-	-	-	-	-
Demand Response Allocation Uplift Amount	55500-0077	33,000.00	-	-	-	-	-	3,054.32	-	-	-	-	-
Day Ahead Ramp Capability Amount	55500-0079	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Ramp Capability Amount	55500-0080	(1,000.00)	-	-	-	-	-	-	-	(92.56)	-	-	-
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00	-	-	-	-	-	2,498.99	-	-	-	-	-
Subtotal		281,000.00	-	-	-	-	-	80,607	26,100.58	80,607	(92.56)	117,338	-
Grandfathered Charge Taxes													
Day Ahead Congestion Rebate on Carve Out Grandfathered	55500-0013	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Carve Out Grandfathered	55500-0014	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Congestion Rebate on Option A Grandfathered	55500-0015	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Option B Grandfathered	55500-0016	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Losses Rebate on Carve Out Grandfathered	55500-0040	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion Rebate on Carve Out Grandfathered	55500-0039	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		-	-	-	-	-	-	80,607	-	80,607	-	117,338	-
ASM Charge Taxes (FPE Other)													
Day Ahead Distribution Amount	55500-0082	85,000.00	-	-	-	-	-	-	-	(6,016.09)	-	-	-
Day Ahead Spinning Reserve Amount	55500-0083	150,000.00	-	-	-	-	-	-	-	(4,827.76)	-	-	-
Day Ahead Supplemental Reserve Amount	55500-0084	-	-	-	-	-	-	-	-	-	-	-	-
Contingency Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-
Net Generation Adjustment Amount	55500-0086	1,000.00	-	-	-	-	-	92.56	-	-	-	-	-
Real Time Regulation Amount	55500-0070	11,000.00	-	-	-	-	-	1,018.11	-	-	-	-	-
Regulation Reserve Cost Distribution Amount	55500-0071	18,000.00	-	-	-	-	-	3,609.65	-	-	-	-	-
Real Time Excessive Delivered Deployment Charge Amount	55500-0087	25,000.00	-	-	-	-	-	2,313.88	-	-	-	-	-
Real Time Spinning Reserve Amount	55500-0072	2,000.00	-	-	-	-	-	185.11	-	-	-	-	-
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00	-	-	-	-	-	3,054.32	-	-	-	-	-
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)	-	-	-	-	-	-	-	(185.11)	-	-	-
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00	-	-	-	-	-	740.44	-	-	-	-	-
Day Ahead Short-Term Reserve Amount	55500-0082	110,000.00	-	-	-	-	-	-	-	(925.55)	-	-	-
Real Time Short-Term Reserve Amount	55500-0083	-	-	-	-	-	-	-	-	-	-	-	-
Short-Term Reserve Cost Distribution Amount	55500-0084	77,000.00	-	-	-	-	-	2,498.99	-	-	-	-	-
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal		19,000.00	-	-	-	-	-	80,607	13,513.07	80,607	(11,754.52)	117,338	-
Grand Total		4,222,230.63	-	-	-	-	-	80,607	514,383.85	80,607	(124,789.05)	117,338	-

MINNESOTA POWER		November 2024			Others - Legislation			Others - Non-Legislation			Contract Sales		
MSO MONTHLY ALLOCATION		Number	Month	Cost	Month	Revenue	Month	Cost	Month	Revenue	Month	Revenue	
Day Ahead and Real Time Energy													
Day Ahead Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-											
Day Ahead Non-Asset Energy	55500-0007	-											
Real Time Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-											
Excessive Energy Amount	55500-0056	-											
Non-Excessive Energy Amount	55500-0068	-											
Real Time Non-Asset Energy	55500-0053	-											
Subtotal		-					77,913				116,715		
Day Ahead and Real Time Energy Loss													
Day Ahead Loss	44700-0000 of 55500-0000 or 55500-0050	4,891,122.56							410,741.51	-		-	
Day Ahead Financial Bilateral Transaction Loss	55500-0002	105,211.06							9,230.96	-		-	
Real Time Loss	44700-0000 of 55500-0000 or 55500-0050	-											
Real Time Distribution of Losses	55500-0041	1445,000.00								(59,043.22)		-	
Real Time Financial Bilateral Transaction Loss	55500-0038	-											
Subtotal		4,351,333.61	-	-	-	-	77,913	419,972.47	77,913	(59,043.22)	116,715	116,715	
Virtual Energy													
Day Ahead Virtual Energy	55500-0030	-											
Real Time Virtual Energy	55500-0049	-											
Subtotal		-	-	-	-	-	77,913	-	77,913	-	116,715	116,715	
Schedule 16A.17 - M													
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00							12,834.21	-		-	
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00							1,403.80	-		-	
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,400.00							298.31	-		-	
Subtotal		163,400.00	-	-	-	-	77,913	14,336.32	77,913	-	116,715	116,715	
Congestion, ETRs & AERs													
Day Ahead Congestion	44700-0000 of 55500-0000 or 55500-0050	-											
Real Time Congestion	44700-0000 of 55500-0000 or 55500-0050	-											
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	105,211.06							9,230.96	-		-	
Real Time Financial Bilateral Transaction Congestion	55500-0037	-											
Auction Revenue Rights Transaction Amount	55500-0058	-											
Financial Transmission Rights Annual Transaction Amount	55500-0059	-											
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00							1,403.80	-		-	
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	(116,000.00)								(10,177.56)		-	
Financial Transmission Rights Hourly Allocation	55500-0032	(518,265.63)								(45,471.37)		-	
Financial Transmission Rights Monthly Allocation	55500-0033	-											
Financial Transmission Rights Yearly Allocation	55500-0035	-											
Financial Transmission Rights Full Quarter Charges Amount	55500-0034	-											
FTX Guarantee Uplift Amount	55500-0066	-											
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-											
Financial Transmission Rights Transaction	55500-0034	-											
Subtotal		(513,054.57)	-	-	-	-	77,913	10,634.76	77,913	(55,648.92)	116,715	116,715	
RSD & Make Whole Payments													
Day Ahead Revenue Sufficiency Guarantee Distribution	55500-0008	29,000.00							2,544.39	-		-	
Day Ahead Revenue Sufficiency Guarantee Make Whole Payment	55500-0009	(21,000.00)								(1,842.49)		-	
Real Time Price Volatility Make Whole Payment	55500-0057	(10,000.00)								(877.36)		-	
Real Time Revenue Sufficiency Guarantee First Pass Out	55500-0046	160,000.00							14,038.01	-		-	
Real Time Revenue Sufficiency Guarantee Make Whole Payment	55500-0047	(110,000.00)								(9,851.13)		-	
Subtotal		48,000.00	-	-	-	-	77,913	16,962.40	77,913	(12,371.80)	116,715	116,715	
RNG & Misc Charges													
Real Time Miscellaneous	55500-0042	-											
Real Time Net Inadvertent Distribution	55500-0044	2,000.00							175.48	-		-	
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00							19,302.26	-		-	
Real Time Untransacted Distribution	55500-0048	-											
Demand Response Allocation Uplift Amount	55500-0077	33,000.00							2,895.34	-		-	
Day Ahead Ramp Capability Amount	55500-0079	-											
Real Time Ramp Capability Amount	55500-0080	(1,000.00)								(87.74)		-	
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00							2,368.91	-		-	
Subtotal		281,000.00	-	-	-	-	77,913	24,741.99	77,913	(87.74)	116,715	116,715	
Grandfathered Charge Taxes													
Day Ahead Congestion Rebate on Carve Out Grandfathered	55500-0013	-											
Day Ahead Losses Rebate on Carve Out Grandfathered	55500-0014	-											
Day Ahead Congestion Rebate on Option A Grandfathered	55500-0005	-											
Day Ahead Losses Rebate on Option B Grandfathered	55500-0006	-											
Real Time Losses Rebate on Carve Out Grandfathered	55500-0040	-											
Real Time Congestion Rebate on Carve Out Grandfathered	55500-0039	-											
Subtotal		-	-	-	-	-	77,913	-	77,913	-	116,715	116,715	
ASM Charge Taxes (F Other)													
Day Ahead Distribution Amount	55500-0082	(65,000.00)								(5,702.94)		-	
Day Ahead Spinning Reserve Amount	55500-0083	(50,000.00)								(4,386.88)		-	
Day Ahead Supplemental Reserve Amount	55500-0084	-											
Contingency Reserve Deployment Failure Charge Amount	55500-0069	1,000.00							87.74	-		-	
Net Reservations Adjustment Amount	55500-0068	11,000.00							955.11	-		-	
Real Time Reservations Cost Distribution Amount	55500-0074	19,000.00							3,421.77	-		-	
Real Time Excessive Delivered Deployment Charge Amount	55500-0087	25,000.00							2,193.44	-		-	
Real Time Spinning Reserve Amount	55500-0072	2,000.00							175.48	-		-	
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00							2,895.34	-		-	
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)								(175.48)		-	
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00							701.80	-		-	
Day Ahead Short-Term Reserve Amount	55500-0082	(10,000.00)								(877.36)		-	
Real Time Short-Term Reserve Amount	55500-0083	-											
Short-Term Reserve Cost Distribution Amount	55500-0084	77,000.00							2,368.91	-		-	
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	-											
Subtotal		19,000.00	-	-	-	-	77,913	12,809.68	77,913	(11,142.67)	116,715	116,715	
Grand Total		4,348,679.64	-	-	-	-	77,913	499,077.63	77,913	(118,289.56)	116,715	116,715	

MINNESOTA POWER		December 2024		Others - Legislation				Others - Non-Legislation				Contract Sales			
MSB MONTHLY ALLOCATION		Account Number	Month	Cost	Month	Revenue	Month	Cost	Month	Revenue	Month	Cost	Month	Revenue	
Day Ahead and Real Time Energy															
Day Ahead Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-													
Day Ahead Non-Asset Energy	55500-0007	-													
Real Time Asset Energy	44700-0000 of 55500-0000 or 55500-0050	-													
Excessive Energy Amount	55500-0056	-													
Non-Excessive Energy Amount	55500-0068	-													
Real Time Non-Asset Energy	55500-0043	-													
Subtotal		-	-	-	-	-	87,798	-	87,798	-	-	-	114,921	-	
Day Ahead and Real Time Energy Loss															
Day Ahead Loss	44700-0000 of 55500-0000 or 55500-0050	5,482,054.22													
Day Ahead Financial Bilateral Transaction Loss	55500-0002	225,739.85								20,886.42					
Real Time Loss	44700-0000 of 55500-0000 or 55500-0050	-													
Real Time Distribution of Losses	55500-0041	1,445,000.00											(41,173.31)		
Real Time Financial Bilateral Transaction Loss	55500-0038	-													
Subtotal		5,262,794.07	-	-	-	-	87,798	526,990.97	87,798	(41,173.31)	-	-	114,921	-	
Virtual Energy															
Day Ahead Virtual Energy	55500-0030	-													
Real Time Virtual Energy	55500-0049	-													
Subtotal		-	-	-	-	-	87,798	-	87,798	-	-	-	114,921	-	
Schedule 16A.17 - M															
Day Ahead Market Administration (Schedule 17)	55500-0020	144,000.00											13,323.50		
Real Time Market Administration (Schedule 17)	55500-0036	16,000.00											1,480.39		
Financial Transmission Rights Market Administration (Schedule 16)	55500-0031	3,400.00											314.58		
Subtotal		163,400.00	-	-	-	-	87,798	15,118.47	87,798	-	-	-	114,921	-	
Congestion, ETRs & AERs															
Day Ahead Congestion	44700-0000 of 55500-0000 or 55500-0050	-													
Real Time Congestion	44700-0000 of 55500-0000 or 55500-0050	-													
Day Ahead Financial Bilateral Transaction Congestion	55500-0021	225,739.85								20,886.42					
Real Time Financial Bilateral Transaction Congestion	55500-0037	-													
Auction Revenue Rights Transaction Amount	55500-0058	-													
Financial Transmission Rights Annual Transaction Amount	55500-0059	-													
Auction Revenue Rights Infeasible Uplift Amount	55500-0065	16,000.00											1,480.39		
Auction Revenue Rights Stage 2 Distribution Amount	55500-0061	116,000.00											(10,732.82)		
Financial Transmission Rights Hourly Allocation	55500-0032	219,006.10								20,346.66					
Financial Transmission Rights Monthly Allocation	55500-0033	-													
Financial Transmission Rights Yearly Allocation	55500-0035	-													
Financial Transmission Rights Full Auction Clearance Amount	55500-0074	-													
FTX Clearance Uplift Amount	55500-0075	-													
Financial Transmission Rights Monthly Transaction Amount	55500-0056	-													
Financial Transmission Rights Transaction	55500-0034	-													
Subtotal		345,645.95	-	-	-	-	87,798	42,713.47	87,798	(10,732.82)	-	-	114,921	-	
RSD & Make Whole Payments															
Day Ahead Revenue Sufficiency Guarantees Distribution	55500-0008	29,000.00								2,683.20					
Day Ahead Revenue Sufficiency Guarantees Make Whole Payment	55500-0009	(21,000.00)											(1,943.01)		
Real Time Price Volatility Make Whole Payment	55500-0057	(10,000.00)											(925.24)		
Real Time Revenue Sufficiency Guarantees First Pass Only	55500-0046	160,000.00								14,803.89					
Real Time Revenue Sufficiency Guarantees Make Whole Payment	55500-0047	(110,000.00)											(9,177.87)		
Subtotal		48,000.00	-	-	-	-	87,798	17,487.09	87,798	(10,945.93)	-	-	114,921	-	
RNU & Misc Charges															
Real Time Miscellaneous	55500-0042	-													
Real Time Net Inadvertent Distribution	55500-0044	2,000.00								185.05					
Real Time Revenue Neutrality Uplift Amount	55500-0045	230,000.00								20,365.36					
Real Time Unallocated Distribution	55500-0048	-													
Demand Response Allocation Uplift Amount	55500-0077	33,000.00								3,053.30					
Day Ahead Ramp Capability Amount	55500-0079	-													
Real Time Ramp Capability Amount	55500-0080	(1,000.00)											(92.52)		
Real Time Schedule #1 Cost Distribution Amount	55500-0081	27,000.00								2,498.16					
Subtotal		281,000.00	-	-	-	-	87,798	26,091.85	87,798	(92.52)	-	-	114,921	-	
Grandfathered Charge Taxes															
Day Ahead Congestion Rebate on Carve Out Grandfathered	55500-0013	-													
Day Ahead Losses Rebate on Carve Out Grandfathered	55500-0014	-													
Day Ahead Congestion Rebate on Option B Grandfathered	55500-0015	-													
Day Ahead Losses Rebate on Option B Grandfathered	55500-0016	-													
Real Time Congestion Rebate on Carve Out Grandfathered	55500-0040	-													
Real Time Losses Rebate on Carve Out Grandfathered	55500-0039	-													
Subtotal		-	-	-	-	-	87,798	-	87,798	-	-	-	114,921	-	
ASM Charge Taxes (FX Other)															
Day Ahead Distribution Amount	55500-0082	85,000.00											8,214.06		
Day Ahead Spinning Reserve Amount	55500-0083	150,000.00											(4,026.21)		
Day Ahead Supplemental Reserve Amount	55500-0084	-													
Contingency Reserve Deployment Failure Charge Amount	55500-0085	-													
Net Generation Adjustment Amount	55500-0086	1,000.00								92.52					
Real Time Regulation Amount	55500-0070	11,000.00								1,017.77					
Regulation Reserve Cost Distribution Amount	55500-0071	18,000.00								3,608.45					
Real Time Excessive Dispatch Deployment Charge Amount	55500-0087	25,000.00								2,313.11					
Real Time Spinning Reserve Amount	55500-0072	2,000.00								185.05					
Spinning Reserve Cost Distribution Amount	55500-0073	33,000.00								3,053.30					
Real Time Supplemental Reserve Amount	55500-0074	(2,000.00)											(185.05)		
Supplemental Reserve Cost Distribution Amount	55500-0075	8,000.00								740.19					
Day Ahead Short-Term Reserve Amount	55500-0082	110,000.00											(925.24)		
Real Time Short-Term Reserve Amount	55500-0083	-													
Short-Term Reserve Cost Distribution Amount	55500-0084	77,000.00								2,498.16					
Short-Term Reserve Deployment Failure Charge Amount	55500-0085	-													
Subtotal		19,000.00	-	-	-	-	87,798	13,508.55	87,798	(11,756.59)	-	-	114,921	-	
Grand Total		6,119,840.02	-	-	-	-	87,798	641,910.40	87,798	(78,795.17)	-	-	114,921	-	

MINNESOTA POWER MDO MONTHLY ALLOCATION	Account Number	January 2024 December 2024	Others - Liquidation				Others - Non-Liquidation				Contract Sales						
			Mah		Revenue		Mah		Revenue		Mah		Revenue				
			Cost		Cost		Cost		Cost		Cost		Cost				
Day Ahead and Real Time Energy																	
Day Ahead Asset Energy	44700-0000 of 55000-0000 of 55000-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Non-Asset Energy	55000-0002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Asset Energy	44700-0000 of 55000-0000 of 55000-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Excessive Energy Amount	55000-0098	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Emissive Energy Amount	55000-0099	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Non-Asset Energy	55000-0043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal																	
Day Ahead and Real Time Energy Loss																	
Day Ahead Loss	44700-0000 of 55000-0000 of 55000-0050	56,225,886.65	-	-	-	-	-	5,204,359.36	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Loss	55000-0002	1,368,200.62	-	-	-	-	-	124,304.52	-	-	-	-	-	-	-	-	-
Real Time Loss	44700-0000 of 55000-0000 of 55000-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Distribution of Losses	55000-0026	(5,340,000.00)	-	-	-	-	-	-	-	-	(500,173.25)	-	-	-	-	-	-
Real Time Financial Bilateral Transaction Loss	55000-0038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal																	
Virtual Energy																	
Day Ahead Virtual Energy	55000-0010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Virtual Energy	55000-0049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal																	
Schedule 16 & 17 - IT																	
Day Ahead Market Administration Schedule 17	55000-0020	1,728,000.00	-	-	-	-	-	161,853.81	-	-	-	-	-	-	-	-	-
Real Time Market Administration Schedule 17	55000-0036	192,000.00	-	-	-	-	-	17,983.76	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Market Schedule 16	55000-0031	43,800.00	-	-	-	-	-	3,821.65	-	-	-	-	-	-	-	-	-
Subtotal																	
Congestion, FTRs & ABS																	
Day Ahead Congestion	44700-0000 of 55000-0000 of 55000-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion	44700-0000 of 55000-0000 of 55000-0050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Financial Bilateral Transaction Congestion	55000-0014	1,368,200.62	-	-	-	-	-	124,304.52	-	-	-	-	-	-	-	-	-
Real Time Financial Bilateral Transaction Congestion	55000-0037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Transaction Amount	55000-0028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Annual Transaction Amount	55000-0059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Infeasible UpRt Amount	55000-0060	192,000.00	-	-	-	-	-	17,983.76	-	-	-	-	-	-	-	-	-
Auction Revenue Rights Stage 2 Distribution Amount	55000-0061	(1,707,999.00)	-	-	-	-	-	-	-	-	(130,382.24)	-	-	-	-	-	-
Financial Transmission Rights Hourly Allocation	55000-0002	(3,356,034.87)	-	-	-	-	-	72,139.41	-	-	(421,654.92)	-	-	-	-	-	-
Financial Transmission Rights Yearly Allocation	55000-0033	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Full Excession Guarantee Amount	55000-0064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FTRs Guarantee Trade Amount	55000-0065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Financial Transmission Rights Monthly Transaction	55000-0034	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal																	
RSD & Make Whole Payments																	
Day Ahead Revenue Sufficiency Guarantee Distribution	55000-0029	348,000.00	-	-	-	-	-	32,595.96	-	-	-	-	-	-	-	-	-
Day Ahead Revenue Sufficiency Guarantee Make Whole Payment	55000-0029	(252,000.00)	-	-	-	-	-	-	-	-	(23,603.68)	-	-	-	-	-	-
Real Time Price Volatility Make Whole Payment	55000-0062	(1,100,000.00)	-	-	-	-	-	-	-	-	(11,239.85)	-	-	-	-	-	-
Real Time Revenue Sufficiency Guarantee Base Make	55000-0046	1,920,000.00	-	-	-	-	-	179,837.52	-	-	-	-	-	-	-	-	-
Real Time Revenue Sufficiency Guarantee Make Whole Payment	55000-0047	(1,320,000.00)	-	-	-	-	-	-	-	-	(72,828.33)	-	-	-	-	-	-
Subtotal																	
RNU & Misc Charges																	
Real Time Miscellaneous Distribution	55000-0042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Net Inadvertent Distribution	55000-0044	24,000.00	-	-	-	-	-	2,247.97	-	-	-	-	-	-	-	-	-
Real Time Revenue Neutrality Light Amount	55000-0045	2,640,000.00	-	-	-	-	-	247,276.66	-	-	-	-	-	-	-	-	-
Real Time Unreleased Generation Demand Response Allocation Light Amount	55000-0048	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Ramp Capability Amount	55000-0077	396,000.00	-	-	-	-	-	37,091.50	-	-	-	-	-	-	-	-	-
Real Time Ramp Capability Amount	55000-0078	(17,999.00)	-	-	-	-	-	-	-	-	(1,123.98)	-	-	-	-	-	-
Real Time Schedule 49 Cost Distribution Amount	55000-0081	324,000.00	-	-	-	-	-	30,347.59	-	-	-	-	-	-	-	-	-
Subtotal																	
Grandfathered Charge Types																	
Day Ahead Congestion Rebate on Carve-Out Grandfathered	55000-0013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Carve-Out Grandfathered	55000-0014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Congestion Rebate on Option B Grandfathered	55000-0025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Day Ahead Losses Rebate on Option B Grandfathered	55000-0026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Losses Rebate on Carve-Out Grandfathered	55000-0030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Real Time Congestion Rebate on Carve-Out Grandfathered	55000-0039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal																	
ASM Charge Types (2 Other)																	
Day Ahead Regulation Amount	55000-0067	(780,000.00)	-	-	-	-	-	-	-	-	(73,059)	-	-	-	-	-	-
Day Ahead Spinning Reserve Amount	55000-0063	(800,000.00)	-	-	-	-	-	-	-	-	(56,199)	-	-	-	-	-	-
Day Ahead Supplemental Reserve Amount	55000-0064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contingency Reserve Deployment Failure Charge Amount	55000-0066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Net Resistor Adjustment Amount	55000-0068	19,000.00	-	-	-	-	-	1,124	-	-	-	-	-	-	-	-	-
Real Time Regulation Amount	55000-0070	107,000.00	-	-	-	-	-	12,364	-	-	-	-	-	-	-	-	-
Regulation Reserve Cost Distribution Amount	55000-0071	468,000.00	-	-	-	-	-	43,835	-	-	-	-	-	-	-	-	-
Real Time Excessive Deficit Deployment Charge Amount	55000-0067	300,000.00	-	-	-	-	-	28,100	-	-	-	-	-	-	-	-	-
Real Time Spinning Reserve Amount	55000-0072	24,000.00	-	-	-	-	-	2,348	-	-	-	-	-	-	-	-	-
Spinning Reserve Cost Distribution Amount	55000-0073	396,000.00	-	-	-	-	-	37,091	-	-	-	-	-	-	-	-	-
Real Time Supplemental Reserve Amount	55000-0074	(74,000.00)	-	-	-	-	-	(2,248)	-	-	-	-	-	-	-	-	-
Supplemental Reserve Cost Distribution Amount	55000-0075	96,000.00	-	-	-	-	-	8,992	-	-	-	-	-	-	-	-	-
Day Ahead Short-Term Reserve Amount	55000-0082	(120,000.00)	-	-	-	-	-	-	-	-	(11,240)	-	-	-	-	-	-
Real Time Short-Term Reserve Amount	55000-0083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Short-Term Reserve Cost Distribution Amount	55000-0084	324,000.00	-	-	-	-	-	30,348	-	-	-	-	-	-	-	-	-
Short-Term Reserve Deployment Failure Charge Amount	55000-0085	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal																	
Grand Total																	

Treatment of Auction Revenue Rights
Docket No. E015/M-05-277

Minnesota Power participates in MISO’s annual Auction Revenue Rights (“ARR”) allocation to secure ARRs from generation to load. Minnesota Power self-schedules allocated ARRs into the annual Financial Transaction Rights (“FTR”) Auction, converting them to FTRs that help minimize Day-Ahead congestion costs between generation/bilateral purchases and load.

Minnesota Power also submits bids in monthly and seasonal FTR auctions in an attempt to secure additional FTRs that either provide further generation to load protection or would help minimize congestion costs on bilateral purchases and sales.

The FTR and ARR MISO charge types are allocated consistent with current Minnesota Power’s allocation methods. Charges are allocated to the retail and wholesale customers based on a per MWh basis.

2024 Estimated Annual Allocation:

January through December 2024 is based on actual allocations from the previous year as the Annual ARR Allocation was not completed at the time of submittal. This is consistent with what was used in Attachment 3 – MISO Costs. Monthly detail of the forecasted FTR and ARR MISO Charge types can be found in Attachment 3.

2024 Estimated Annual Allocation											
		Winter (Jan-Feb)		Spring		Summer		Fall		Winter (Dec)	
Source	Sink	On Peak	Off Peak	On Peak	Off Peak	On Peak	Off Peak	On Peak	Off Peak	On Peak	Off Peak
[TRADE SECRET DATA BEGINS]											
[TRADE SECRET DATA ENDS]											

**Forecasted Planned and Unplanned Outages and
Forecasted Replacement Power Costs**
Docket No. E999/AA-08-995

Outage Methodology for Large Units (Boswell Units 3 & 4)

Planned Outage Methodology

Long-term planned outage schedules for Boswell Energy Center are based on Original Equipment Manufacturer (“OEM”) guidelines, FM Global Insurance provider recommendations, and historical plant operational and maintenance records.

Planned outages are scheduled for major turbine maintenance. For Boswell Units 3 and 4, the OEM guidelines recommend a major inspection and maintenance of the turbine every 100,000 hours, or approximately every 10 years. The major turbine maintenance planned outages are typically 8-10 weeks in duration.

The Low Pressure (“LP”) turbine, turbine valves, and generator inspections and repairs are scheduled based on the OEM recommended intervals. The OEM recommendations are to inspect valves, generators, and LP turbine every five years. The valve and generator planned outages are typically 4-6 weeks in duration.

Planned outages are scheduled between the major five and ten-year outages for major boiler related outages, including boiler chemical cleans. The major boiler planned outages are typically 2-4 weeks in duration. The actual outage length is adjusted for the known work scope.

Planned outages are then scheduled for inspections, boiler cleaning and other identified work in order to ensure unit reliability in the higher demand seasons of winter and summer. One of the reasons for frequent boiler inspection is to assure that the combustion systems and pollution control equipment are operating as designed to assure compliance. The outages are typically 3-10 days. If the unit has a longer unplanned/forced outage that is close to the next planned outage, the planned outage duration and/or timing may be adjusted due to planned outage work being performed during unplanned/forced outages. The goal is always to minimize the overall number of days a year a unit is unavailable for service.

Planned maintenance outages are scheduled for a minimum rolling 24-month period and updated on a daily basis as needed per MISO requirements. In addition, the 10-year long-term planned outage schedule is reviewed and updated at least annually.

Unplanned Outage Methodology

Minnesota Power utilizes the average of the previous ten years of the NERC Generating Availability Data System (“GADS”) Equivalent Unplanned Outage Factor (“EUOF”) to calculate unplanned outages. The EUOF is the percent of hours during the year (given period) the unit was in an unplanned outage. The ten-year average ensures one good or bad year does not over- or under-state forecasted unit performance.

Causes of Unplanned Outages

Tube Leaks

Tube leaks are statistically the most common cause of outages in coal fired power plants. The following are the most common causes of tube leaks:

Thermal fatigue manifests itself as cracking of the boiler tubes - sometimes as very small "micro" cracks and sometimes as large cracks. This occurs as a result of changing boiler temperatures, usually when the boiler swings up or down to follow load and when the boilers start up and shut down. This is a similar effect to bending a paper clip back and forth - after so many cycles it eventually breaks. Minimizing boiler “swings” (base loading) helps decrease the impact of thermal fatigue. However, with the energy markets being what they are with the ever increasing impacts of intermittent wind generation, we are seeing more and more swings in output.

Soot blower erosion occurs throughout the boiler in every soot blower location. Soot blowers use high pressure steam or high pressure air to do the cleaning. The ash removal is necessary to prevent the boiler from plugging up. When the boiler plugs up, it restricts air flow which will cause the boiler to come offline and require manual ash and slag removal. Common practices to mitigate soot blower erosion are to add a weld overlay (commonly called “pad welding”) to existing tubes, add tube shields which are essential sacrificial attachments to the tubes, change soot blower media pressure (usually not an

option), and replace tubes in the affected areas. The use of the soot blowers is essential in keeping the units on line. Coal composition can differ from mine to mine or even within the same mine. As we look to find the best low cost fuel blend for our customers, certain coals may cause more fouling than others. The increased potential of this fouling requires both the frequency and duration of soot blowing to increase which minimizes the buildup on the boiler tubes. Due to increased soot blowing activities, we have implemented the use of different weld overlay alloys throughout the boiler in an effort to maintain unit reliability.

Fly ash erosion occurs when fly ash and combustion gases pass rapidly across superheated boiler tube surfaces. Because of the abrasiveness of fly ash, the surface of boiler tubes in the high flow areas slowly erode. Many things contribute to the amount of erosion, such as gas path restrictions (plugging - see reasons for soot blowing above), variations in coal quality (higher ash content), and other additives that are added to the fuel mix typically for emission control, etc.

Chemical attack is becoming a common source of tube failures due to the corrosiveness of many of the additives being used to control emissions. When these chemicals come in contact with very hot boiler tubes, their normal corrosiveness is significantly increased. Since there tend to be few options for using alternate less corrosive additives, a common solution is to look at tube materials that perform better in the corrosive environment. This is usually a very expensive fix and can have environmental compliance implications.

Corrosion fatigue occurs as a co-joint action of cyclic strain and a corrosive environment acting to produce failure earlier than pure fatigue or corrosion acting along. Boswell 3 has been especially prone to this due to the original boiler design.

Dissimilar metal welds "DMW" failures occur at the weld juncture where carbon steel or low alloy steels (ferritic side) are welded to stainless or higher alloy steels (austenitic side) and used in high temperature applications. The large difference in coefficient of expansion of the two steels, which is exacerbated by thermal cycling, results in cracking at the toe of the weld joining the two materials. Using austenitic stainless filler material for the DMW

junction, which is required when making these weld joints, also increases the stress on the toe of the weld on the ferritic side of the weldment.

Minnesota Power's boiler reliability program proactively identifies areas of the boilers where tube leaks are likely to occur to reduce the risk of future failures. The program uses a combination of visual inspections, non-destructive testing methods, tube sample analysis, tube failure history, and industry experiences to minimize forced outages due to unexpected tube leaks.

To give some perspective on the challenges with any boiler reliability program, consider the following:

- Boswell-3 boiler has 473,891 ft (89.7 miles) of varying diameter boiler tubes
- Boswell-4 boiler has 779,905 ft (147.6 miles) of varying diameter boiler tubes
- The boiler tube surface area where a leak can occur is several hundred thousand square feet in either boiler.

A tube leak usually begins as a very small hole (0.10 inch or less) in the tube wall which can expand rapidly due to the high temperature and pressure. Considering the huge surface area in a boiler and the very small size of a hole or microscopic crack that results in a tube leak, it is very difficult to effectively screen the entire boiler to prevent all tube leaks. As part of our boiler reliability program, whenever there is an opportunity to get into the boiler to do an inspection – during a forced or schedule outage – critical areas are inspected to evaluate erosion and to determine if repairs are needed. This information is used to plan for future capital expenditures to help minimize future tube leaks. During these inspection opportunities, small leaks are sometimes found and repaired. When a leak occurs, boiler pressure testing is conducted to identify any additional leaks and repair them to avoid a future forced outage. Similar proactive maintenance practices are routinely followed at the other Minnesota Power thermal facilities.

Non-Boiler related outages

Minnesota Power has a Generation Reliability Group that is dedicated to monitoring and improving the reliability of not only the boiler, but also the rotating equipment. The group is comprised of boiler, turbine, pump and pulverizer engineers and specialists as well as specialists in predictive maintenance technologies. They work on a daily basis with the operating and maintenance groups at all facilities to improve the daily operating practices, planning for work and repairs to occur in future outages, and establishing long-term and short-term maintenance plans.

Rotating equipment that is monitored through various predictive technologies is summarized in a monthly reliability meeting with the specific plant. The manager is provided with a monthly scorecard as to their performance as well as identifying concerns and upcoming needs.

Each unit maintains a “hot list” of items that ultimately need to be completed but are awaiting an outage to be addressed because there is an available and safe work around with redundant equipment or operating procedures. Any item that jeopardizes safety or environmental compliance is immediately addressed.

FAC Forecast Assumptions

The FAC Forecast accounts for both planned and unplanned events. The planned outages are based on the long-term planned outage schedule.

Planned Outages:

Unit	Start Time	End Time	Duration in Days	MISO #	Reason
	[TRADE SECRET DATA BEGINS]				
Boswell 3	[REDACTED]				
Boswell 4					
Boswell 3					
Boswell 4					
	[TRADE SECRET DATA ENDS]				

[TRADE SECRET DATA BEGINS [REDACTED]
[REDACTED]
[REDACTED] TRADE SECRET DATA ENDS]

Unplanned Outages:

Generation Specifications			
	Econ Min	Econ Max	EUOF /1
Boswell Unit 3	75 MW	350 MW	7.4%
Boswell Unit 4	185 MW	580 MW	8.5%

/1 The Equivalent Unplanned Outage Factor ("EUOF") is based on a 10-year average.

	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
	Boswell 3												
	[TRADE SECRET DATA BEGINS]												
Forced Days													
Forced MWhs													
Outage MWhs Replaced by Purchase													
Purchase Price													
Total Forced Cost													
Unit Cost													
Incremental Cost													
Planned Days													
Planned MWhs													
Outage MWhs Replaced by Purchase													
Purchase Price													
Total Planned Cost													
Unit Cost													
Incremental Cost													
Total Outage Costs													
Total Incremental Costs													

TRADE SECRET DATA ENDS]

	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Total
	Boswell 4												
	[TRADE SECRET DATA BEGINS]												
Forced Days													
Forced MWhs													
Outage MWhs Replaced by Purchase													
Purchase Price													
Total Cost													
Unit Cost													
Incremental Cost													
Planned Days													
Planned MWhs													
Outage MWhs Replaced by Purchase													
Purchase Price													
Total Cost													
Unit Cost													
Incremental Cost													
Total Cost													
Total Incremental Costs													
Total Outage Costs													
Total Incremental Costs													

1/

1/

1/

1/

1/

1/

1/

1/

TRADE SECRET DATA ENDS]

1/ Months that have increased forecasted wind generation, hydro generation and purchases to offset replacement purchase costs and reduce the amount of outage MWh's replaced by purchases.

Annual Five-Year Projection of Fuel Costs

Minn. Rule 7825.2830

Minnesota Power's five-year projection of fuel costs by source of power is based on data, generated by the Electric Financial Forecast. Forecast data beyond 2024 is available on an annual basis only.

Minnesota Power has seven sources of power:

- Steam Generation at Company owned plants,
- Purchased Power from South Shore Energy under a Capacity Dedication Agreement that starts in 2025.
- Purchased Power from Square Butte under a Power Purchase Agreement,
- Purchased Power from MISO wholesale market and from other power suppliers,
- Hydro Power from Company owned generating plants (for which there is no fuel cost), and from other power suppliers,
- Wind Generation from Company owned generating plants, and from other power suppliers, and
- Solar Generation from Company owned generating plants, and Community Solar Garden program.

The major assumptions in determining the fuel cost projections over the next five-year period are:

1. With the *EnergyForward* strategy Minnesota Power's steam generation has decreased from historical levels in order to seek a sustainable balance of energy generation that is dependable, affordable and environmentally sound to best serve its customers as stated in the previous two approved integrated resource plans filed in 2013 and 2015. Per the approved 2013 Integrated Resource Plan, in 2015 Minnesota Power retired Taconite Harbor Unit 3 generator (75 MW) and converted its Laskin Energy Center to natural gas which serves as a peaking and reliability resource for customer power supply. Per the approved 2015 Integrated Resource Plan, in fall of 2016 Taconite Harbor units 1 and 2 ("THEC") were idled (150 MW) and are utilized for reliability of the bulk electric system as market conditions require and cease coal-fired operations by the end of 2020. In the 2021 Intergrated Rescource Plan, Minnesota Power proposed retiring THEC

facility in September 2021. Minnesota Power announced it ceased coal-fired operation at Boswell units 1 and 2 in December 2018. In the 2021 Integrated Resource Plan, Minnesota Power has proposed a bold vision and definitive actions to achieve 80 percent carbon reduction by 2035. With regards to remaining steam generation, per the 2021 Plan Minnesota Power transitioned operations at Boswell Energy Center Unit 3 to economic dispatch in 2021; proposed the early retirement of Unit 3 by year-end 2029 and ceasing coal operations at Minnesota Power's Boswell Energy Center Unit 4 in 2035. For the five-year projection of fuel costs, Boswell 3 was modeled as being on economic dispatch.

2. Total Steam generation costs attributed to coal are expected to **[TRADE SECRET DATA BEGINS** [REDACTED] **TRADE SECRET DATA ENDS]** from 2024 to 2028.
3. Starting in June 2015 purchased generation from Square Butte declined to reflect Minnesota Power's decreased share of the unit's total output of approximately 9 percent in 2024. After 2024, Minnesota Power's share of the output will continue to be reduced per the North Dakota Wind Project and decrease to zero by end of 2025.
4. As part of the *EnergyForward* strategy, Minnesota Power is adding their first efficient gas-fired combined cycle generation to the power supply in 2025. Through a Capacity Dedication Agreement with South Shore Energy, the Company would have received a 50 percent share of the capacity and energy production from the approximate 580 MW NTEC project located in Superior, WI. The Capacity Dedication Agreement was approved by the Commission in October 2018. In September 2021, Minnesota Power announced it is selling a portion of its ownership stake in NTEC to North Dakota-based Basin Electric Power Cooperative. Basin Electric will become a 30 percent owner in the facility and Minnesota Power will retain a 20 percent energy and capacity off take from NTEC. MP will propose an amendment to the CDA to reflect the 2021 sale once

the Wisconsin regulatory and legal processes are concluded. The Company expects delivery of capacity and energy from this project to start January 2025. Today Minnesota Power does not have significant natural gas generation on its system, and the addition of NTEC will represent less than 5 percent of its overall power supply portfolio. Note that the NTEC project is going through the permitting process in Wisconsin. The exact in-service date is unknown due to a longer than expected permitting process in Wisconsin. For the 5-year projection an estimated in-service date of 2025 was kept, but that is subject to change until the necessary permits have been granted.

5. Minnesota Power continues to use wholesale market purchases and bilateral contracts to meet its energy requirements.
6. Minnesota Power has about 116 MW of Hydroelectric capabilities for its customer native load. There is no fuel cost associated with this energy source. Hydro generation is projected to [TRADE SECRET DATA BEGINS ██████████
██████████ TRADE SECRET DATA ENDS]. For the FAC Forecast period (2024), Minnesota Power's hydrological forecasts are based on historical production.
7. Minnesota Power has developed a robust, portfolio-based solar strategy consisting of three pillars of focus: the customer, community, and utility to meet and integrate solar power supply. This strategy was submitted on June 1, 2018, as part of the Company's SES Report. Since the July 2016 approval of the 2015 Integrated Resource Plan, Minnesota Power developed its first utility scale project with 10 MW Camp Ripley Solar Project and expanded customer sited solar programs and added a 1.04 MW Community Solar Garden Program. In the 2021 Integrated Resource Plan, Minnesota Power proposed to construct three solar projects (Jean Duluth, Laskin, and Sylvan) totaling 20 MW in the Company's service territory in 2021. The completion of the Camp Ripley Solar Project, expanded Community Solar Garden Program, and the three solar

projects (Jean Duluth, Laskin and Sylan), are Minnesota Power's strategy to comply with the SES.

In addition, the recent Commission approved 2021 Integrated Resource Plan proposes 300 MW of solar resources that leverages the Boswell site or other Minnesota Power facilities by 2030.

8. Minnesota Power has developed an energy-rich wind portfolio composed of 875 MW of wind located in North Dakota and Minnesota. The 600 MW of wind energy located in North Dakota is transported across a high-voltage DC line that starts in Center, ND and terminates outside Duluth, MN. Included in the North Dakota wind portfolio is the repowering of the 100 MW Oliver 1 and 2 wind farms in 2020. Oliver 1 and 2 energy is purchased through an amended purchase power agreement with NextEra that was approved by the Commission in November 2018. This repowering project increased Oliver 1 and 2 energy production by [TRADE SECRET BEGINS ██████████ TRADE SECRET DATA ENDS] and reduced the PPA pricing by approximately [TRADE SECRET BEGINS ██████████ TRADE SECRET ENDS] per year. The remaining 275 MW of wind is located in Minnesota and includes the 250 MW Nobles 2, which came online in December 2020. Minnesota Power's wind portfolio is expected to generate approximately [TRADE SECRET DATA BEGINS ██████████ TRADE SECRET DATA ENDS] and generate approximately [TRADE SECRET DATA BEGINS ██████████ TRADE SECRET DATA ENDS] due to the addition of 200 MW of new wind proposed in the 2021 Integrated Resource Plan. Additionally, Minnesota Power's wind portfolio is expected to generate approximately [TRADE SECRET DATA BEGINS ██████████ TRADE SECRET DATA ENDS] following the recently approved 200 MW of additional wind from the 2021 Integrated Resource Plan.

For the 2024 FAC Forecast period, Minnesota Power's wind energy production forecast is based on historical production.

	MP GENERATION					PURCHASES				COSTS RECOVERED THRU SALES COST \$(ooo)	TOTAL FUEL COST \$(ooo)	TOTAL FAC SALES MWh	AVERAGE FUEL COST per MWh
	STEAM GENERATION			WIND GEN	HYDRO	SQUARE BUTTE		MARKET					
	COAL COST \$(ooo)	OIL & OTHER COST \$(ooo)	TOTAL MWh	TOTAL MWh	TOTAL MWh	COST \$(ooo)	TOTAL MWh	COST \$(ooo)	TOTAL MWh				
	[TRADE SECRET DATA BEGINS]					[TRADE SECRET DATA BEGINS]		[TRADE SECRET DATA BEGINS]					
JAN 24	\$12,417	\$2,030				\$3,364		\$25,358		(\$15,748)	\$27,399	778,253	\$35.21
FEB	\$11,374	\$1,811				\$3,142		\$22,058		(\$14,022)	\$24,331	711,221	\$34.21
MAR	\$8,625	\$668				\$2,827		\$19,251		(\$9,525)	\$21,747	740,389	\$29.37
APR	\$8,606	\$349				\$3,259		\$17,887		(\$10,492)	\$19,490	675,742	\$28.84
MAY	\$5,723	\$8				\$3,343		\$20,431		(\$8,237)	\$21,166	683,732	\$30.96
JUN	\$5,968	\$213				\$2,548		\$18,349		(\$8,615)	\$18,346	669,535	\$27.40
JUL	\$9,114	\$1,174				\$3,354		\$21,893		(\$12,669)	\$22,718	715,944	\$31.73
AUG	\$10,440	\$206				\$3,326		\$19,913		(\$10,784)	\$22,974	711,474	\$32.29
SEP	\$7,644	\$161				\$2,819		\$17,698		(\$7,953)	\$20,288	685,204	\$29.61
OCT	\$8,206	\$24				\$3,363		\$18,243		(\$9,690)	\$20,108	699,693	\$28.74
NOV	\$9,184	\$71				\$3,218		\$17,726		(\$9,703)	\$20,450	722,604	\$28.30
DEC 24	\$11,524	\$1,233				\$2,921		\$21,147		(\$12,203)	\$24,608	779,047	\$31.59
TOTAL	\$108,826	\$7,948				\$37,484		\$239,953		(\$129,639)	\$263,625	8,572,838	\$30.69
	Avg Cost per MWh												
	[TRADE SECRET DATA ENDS]					[TRADE SECRET DATA ENDS]		[TRADE SECRET DATA ENDS]					
	[TRADE SECRET DATA BEGINS]												
JAN 25 - DEC 25													
	Avg Cost per MWh												
JAN 26 - DEC 26													
	Avg Cost per MWh												
JAN 27 - DEC 27													
	Avg Cost per MWh												
JAN 28 - DEC 28													
	Avg Cost per MWh												
	[TRADE SECRET DATA ENDS]												

Notice of Reports Availability
Minn. Rule 7825.2840



30 West Superior Street
Duluth, MN 55802-2093
www.mnpower.com



Notice of Reports Availability

To: All Intervenors in Minnesota Power
Retail Rate Proceedings
Docket Nos. E015/GR-19-442 and E015/GR-21-335

The Minnesota Public Utilities Commission requires Minnesota Power and other Minnesota public utilities to file various forecast reports concerning utility operations with the Commission as specified in Docket No. E999/CI-03-802. The subject matter of the report filed includes the following:

- 1) Independent Auditor's Report
- 2) Automatic Fuel Adjustment Clause Forecast to Actual Comparison
- 3) MISO Day 2 Charges and Allocations
- 4) ARR Information and Process
- 5) Plant Outage Reporting
- 6) Annual and Daily ASM Charges and Summary
- 7) Report Addressing the Purchase Power Agreement with Manitoba Hydro
- 8) Wind Curtailment Reporting
- 9) Offsetting Revenues and/or Compensation Received by Investor-Owned Utilities (IOUs)
- 10) Generation Facilities Maintenance Expense Report
- 11) Fuel and Energy Source Procurement and Energy Dispatching Policies

Minnesota Rule 7825.2840 requires Minnesota Power to provide this notice of availability of such reports to all Intervenors in the previous two general rate cases. A copy of the above report is available for public inspection at the MPUC offices, 121 East 7th Place, Suite 350, St. Paul, MN 55101-2147, on the Minnesota Department of Commerce edockets website (<https://www.edockets.state.mn.us/EFiling>), or upon written request to the following:

Minnesota Power
Hillary A. Creurer
Regulatory Compliance Administrator
30 West Superior Street
Duluth, MN 55802

Please note that certain information contained in these reports is considered trade secret and is unavailable to the public.

Certificate of Service

It is hereby certified that the foregoing Notice of Report Availability, along with a copy of the report, was delivered to the Minnesota Department of Commerce and the Office of the Attorney General, and the interveners in Minnesota Power's previous two general rate cases.

Minnesota Power

By:

/s/ Hillary A. Creurer

Hillary A. Creurer

Regulatory Compliance Administrator

Dated: May 1, 2023

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Jorge	Alonso	jorge.alonso@state.mn.us	Public Utilities Commission	121 7th Place East Suite 350 St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Lori	Andresen	info@sosbluewater.org	Save Our Sky Blue Waters	P.O. Box 3661 Duluth, Minnesota 55803	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Jessica L	Bayles	Jessica.Bayles@stoel.com	Stoel Rives LLP	1150 18th St NW Ste 325 Washington, DC 20036	Electronic Service	Yes	OFF_SL_19-442_Official CC Service List
Sara	Bergan	sebergan@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Kristin	Berkland	kristin.berkland@ag.state.mn.us	Office of the Attorney General-RUD	445 Minnesota Street Bremer Tower, Suite 1400 St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
David F.	Boehm	dboehm@bklawfirm.com	Boehm, Kurtz & Lowry	36 E 7th St Ste 1510 Cincinnati, OH 45202	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Jason	Bonnett	jason.bonnett@state.mn.us	Public Utilities Commission	121 East 7th Place suite 350 St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Elizabeth	Brama	ebrama@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 South 8th Street Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Jon	Brekke	jbrekke@grenergy.com	Great River Energy	12300 Elm Creek Boulevard Maple Grove, MN 553694718	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Christina	Brusven	cbrusven@fredlaw.com	Fredrikson Byron	200 S 6th St Ste 4000 Minneapolis, MN 554021425	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
David	Cartella	David.Cartella@cliffsnr.com	Cliffs Natural Resources Inc.	200 Public Square Ste 3300 Cleveland, OH 44114-2315	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Greg	Chandler	greg.chandler@upm.com	UPM Blandin Paper	115 SW First St Grand Rapids, MN 55744	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Steve W.	Chriss	Stephen.chriss@walmart.com	Wal-Mart	2001 SE 10th St. Bentonville, AR 72716-5530	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-442_Official CC Service List
Riley	Conlin	riley.conlin@stoel.com	Stoel Rives LLP	33 S. 6th Street Suite 4200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_19-442_Official CC Service List
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Sean	Copeland	seancopeland@fdlrez.com	Fond du Lac Band of Lake Superior Chippewa	1720 Big Lake Rd Cloquet, MN 55720	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Hillary	Creurer	hcreurer@allete.com	Minnesota Power	30 W Superior St Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Lisa	Daniels	lisadaniels@windustry.org	Windustry	201 Ridgewood Ave Minneapolis, MN 55403	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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_19-442_Official CC Service List
J.	Drake Hamilton	hamilton@fresh-energy.org	Fresh Energy	408 St Peter St Ste 350 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Brian	Edstrom	briane@cupminnesota.org	Citizens Utility Board of Minnesota	332 Minnesota St Ste W1360 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Ron	Elwood	relwood@mnlsap.org	Legal Services Advocacy Project	970 Raymond Avenue Suite G-40 Saint Paul, MN 55114	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Catherine	Fair	catherine@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 280 Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_19-442_Official CC Service List
John R.	Gasele	kgasele@fryberger.com	Fryberger Buchanan Smith & Frederick PA	700 Lonsdale Building 302 W Superior St Ste 700 Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Barbara	Gervais	toftemn@boreal.org	Town of Tofte	P O Box 2293 7240 Tofte Park Road Tofte, MN 55615	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Jerome	Hall	hallj@stlouiscountymn.gov	Saint Louis County Property Mgmt Dept	Duluth Courthouse 100 N 5th Ave W Rm 515 Duluth, MN 55802-1209	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Adam	Heinen	aheinen@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Kimberly	Hellwig	kimberly.hellwig@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	Yes	OFF_SL_19-442_Official CC Service List
Annete	Henkel	mui@mutilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Valerie	Herring	vherring@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S. Eighth Street Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Katherine	Hinderlie	katherine.hinderlie@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St Suite 1400 St. Paul, MN 55101-2134	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Lori	Hoyum	lhoyum@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_Official CC Service List
James	Jarvi	N/A	Minnesota Ore Operations - U S Steel	P O Box 417 Mountain Iron, MN 55768	Paper Service	No	OFF_SL_19-442_Official CC Service List
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2950 Yellowtail Ave. Marathon, FL 33050	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Sarah	Johnson Phillips	sarah.phillips@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Nick	Kaneski	nick.kaneski@enbridge.com	Enbridge Energy Company, Inc.	11 East Superior St Ste 125 Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Nicolas	Kaylor	nkaylor@mojlaw.com		120 South 6th St Ste 2400 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Travis	Kolari	N/A	Keetac	PO Box 217 Keewatin, MN 55753	Paper Service	No	OFF_SL_19-442_Official CC Service List
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Becky	Lammi	cityclerk@ci.aurora.mn.us	City of Aurora	16 W 2nd Ave N PO Box 160 Aurora, MN 55705	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Carmel	Laney	carmel.laney@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
David	Langmo	david.langmo@sappi.com	Sappi North America	P O Box 511 2201 Avenue B Cloquet, MN 55720	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Emily	Larson	eLarson@duluthmn.gov	City of Duluth	411 W 1st St Rm 403 Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
James D.	Larson	james.larson@avantenergy.com	Avant Energy Services	220 S 6th St Ste 1300 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Annie	Levenson Falk	annief@cupminnesota.org	Citizens Utility Board of Minnesota	332 Minnesota Street, Suite W1360 St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
LeRoger	Lind	llind@yahoo.com	Save Lake Superior Association	P.O. Box 101 Two Harbors, MN 55616	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Eric	Lindberg	elindberg@mncenter.org	Minnesota Center for Environmental Advocacy	1919 University Avenue West Suite 515 Saint Paul, MN 55104-3435	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Eric	Lipman	eric.lipman@state.mn.us	Office of Administrative Hearings	PO Box 64620 St. Paul, MN 551640620	Electronic Service	Yes	OFF_SL_19-442_Official CC Service List
Patrick	Loupin	PatrickLoupin@Packaging Corp.com	Packaging Corporation of America	PO Box 990050 Boise, ID 83799-0050	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Susan	Ludwig	sludwig@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Kavita	Maini	kmaini@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Paper Service	No	OFF_SL_19-442_Official CC Service List
Sarah	Manchester	sarah.manchester@sappi.com	Sappi North American	255 State Street Floor 4 Boston, MA 02109-2617	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Emily	Marshall	emarshall@mojlaw.com	Miller O'Brien Jensen, PA	120 S. 6th Street Suite 2400 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Keith	Matzdorf	keith.matzdorf@sappi.com	Sappi Fine Paper North America	PO Box 511 2201 Avenue B Cloquet, MN 55720	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Daryl	Maxwell	dmaxwell@hydro.mb.ca	Manitoba Hydro	360 Portage Ave FL 16 PO Box 815, Station Main Winnipeg, Manitoba R3C 2P4 Canada	Electronic Service	No	OFF_SL_19-442_Official CC Service List
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Craig	McDonnell	Craig.McDonnell@state.mn.us	MN Pollution Control Agency	520 Lafayette Road St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Natalie	McIntire	natalie.mcintire@gmail.com	Wind on the Wires	570 Asbury St Ste 201 Saint Paul, MN 55104-1850	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Joseph	Meyer	joseph.meyer@ag.state.mn.us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St Paul, MN 55101-2131	Electronic Service	No	OFF_SL_19-442_Official CC Service List
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_19-442_Official CC Service List
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Evan	Mulholland	emulholland@mncenter.org	Minnesota Center for Environmental Advocacy	1919 University Ave W Ste 515 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
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Michael	Noble	noble@fresh-energy.org	Fresh Energy	408 Saint Peter St Ste 350 Saint Paul, MN 55102	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Rolf	Nordstrom	rnordstrom@gpisd.net	Great Plains Institute	2801 21ST AVE S STE 220 Minneapolis, MN 55407-1229	Electronic Service	No	OFF_SL_19-442_Official CC Service List
M. William	O'Brien	bobrien@mojlaw.com	Miller O'Brien Jensen, P.A.	120 S 6th St Ste 2400 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Christopher J.	Oppitz	N/A	-	PO Box 910 Park Rapids, MN 56470-0910	Paper Service	No	OFF_SL_19-442_Official CC Service List
Elanne	Palcich	epalcich@cpinternet.com	Save Our Sky Blue Waters	P.O. Box 3661 Duluth, MN 55803	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Max	Peters	maxp@cohasset-mn.com	City of Cohasset	305 NW First Ave Cohasset, MN 55721	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Jennifer	Peterson	jjpeterson@mnpower.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_Official CC Service List
William	Phillips	wphillips@aarp.org	AARP	30 E. 7th St Suite 1200 St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Marcia	Podratz	mpodratz@mnpower.com	Minnesota Power	30 W Superior S Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Tolaver	Rapp	Tolaver.Rapp@cliffsnr.com	Cliffs Natural Resources	200 Public Square Suite 3400 Cleveland, OH 441142318	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_19-442_Official CC Service List
Kevin	Reuther	kreuther@mncenter.org	MN Center for Environmental Advocacy	26 E Exchange St, Ste 206 St. Paul, MN 551011667	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Ralph	Riberich	rriberich@uss.com	United States Steel Corp	600 Grant St Ste 2028 Pittsburgh, PA 15219	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Buddy	Robinson	buddy@citizensfed.org	Minnesota Citizens Federation NE	2110 W. 1st Street Duluth, MN 55806	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Santi	Romani	N/A	United Taconite	PO Box 180 Eveleth, MN 55734	Paper Service	No	OFF_SL_19-442_Official CC Service List
Susan	Romans	sromans@allete.com	Minnesota Power	30 West Superior Street Legal Dept Duluth, MN 55802	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Thomas	Scharff	thomas.scharff@versoco.com	Verso Corp	600 High Street Wisconsin Rapids, WI 54495	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Peter	Scholtz	peter.scholtz@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota Street St. Paul, MN 55101-2131	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Robert H.	Schulte	rhs@schulteassociates.com	Schulte Associates LLC	1742 Patriot Rd Northfield, MN 55057	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Christine	Schwartz	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th Pl E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-442_Official CC Service List
Janet	Shaddix Elling	jshaddix@janetshaddix.com	Shaddix And Associates	7400 Lyndale Ave S Ste 190 Richfield, MN 55423	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Doug	Shoemaker	dougs@charter.net	Minnesota Renewable Energy	2928 5th Ave S Minneapolis, MN 55408	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Brett	Skyles	Brett.Skyles@co.itasca.mn.us	Itasca County	123 NE Fourth Street Grand Rapids, MN 557442600	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Staffon	rcstaffon@msn.com	W. J. McCabe Chapter, Izaak Walton League of America	1405 Lawrence Road Cloquet, Minnesota 55720	Electronic Service	No	OFF_SL_19-442_Official CC Service List
James M	Strommen	jstrommen@kennedy- graven.com	Kennedy & Graven, Chartered	150 S 5th St Ste 700 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Robert	Tammen	bobtammen@frontiernet.net	Wetland Action Group	PO Box 398 Soudan, MN 55782	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Jim	Tieberg	jtieberg@polymetmining.com	PolyMet Mining, Inc.	PO Box 475 County Highway 666 Hoyt Lakes, MN 55750	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Jessica	Tritsch	jessica.tritsch@sierraclub.org	Sierra Club	2327 E Franklin Ave Minneapolis, MN 55406	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Karen	Turnboom	karen.turnboom@versoco.com	Verso Corporation	100 Central Avenue Duluth, MN 55807	Paper Service	No	OFF_SL_19-442_Official CC Service List
Kristen	Vake	kvake@taconite.org	Iron Mining Association of Minnesota	1003 Discovery Drive Chisholm, MN 55719	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Kodi	Verhalen	kverhalen@taftlaw.com	Taft Stettinius & Hollister LLP	80 S 8th St Ste 2200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Kevin	Walli	kwalli@fryberger.com	Fryberger, Buchanan, Smith & Frederick	380 St. Peter St Ste 710 St. Paul, MN 55102	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Laurie	Williams	laurie.williams@sierraclub.org	Sierra Club	Environmental Law Program 1536 Wynkoop St Ste 200 Denver, CO 80202	Electronic Service	No	OFF_SL_19-442_Official CC Service List
Scott	Zahorik	scott.zahorik@aeoa.org	Arrowhead Economic Opportunity Agency	702 S. 3rd Avenue Virginia, MN 55792	Electronic Service	No	OFF_SL_19-442_Official CC Service List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Kevin	Adams	kadams@caprw.org	Community Action Partnership of Ramsey & Washington Counties	450 Syndicate St N Ste 35 Saint Paul, MN 55104	Electronic Service	No	OFF_SL_21-335_21-335
Lori	Andresen	info@sosbluewater.org	Save Our Sky Blue Waters	P.O. Box 3661 Duluth, Minnesota 55803	Electronic Service	No	OFF_SL_21-335_21-335
Allen	Barr	allen.barr@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota St Ste 1400 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_21-335_21-335
Jessica L	Bayles	Jessica.Bayles@stoel.com	Stoel Rives LLP	1150 18th St NW Ste 325 Washington, DC 20036	Electronic Service	No	OFF_SL_21-335_21-335
Sara	Bergan	sebergan@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-335_21-335
Kristin	Berkland	kristin.berkland@ag.state.mn.us	Office of the Attorney General-RUD	445 Minnesota Street Bremer Tower, Suite 1400 St. Paul, MN 55101	Electronic Service	No	OFF_SL_21-335_21-335
David F.	Boehm	dboehm@bkllawfirm.com	Boehm, Kurtz & Lowry	36 E 7th St Ste 1510 Cincinnati, OH 45202	Electronic Service	No	OFF_SL_21-335_21-335
Elizabeth	Brama	ebrama@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 South 8th Street Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-335_21-335
Jon	Brekke	jbrekke@grenergy.com	Great River Energy	12300 Elm Creek Boulevard Maple Grove, MN 553694718	Electronic Service	No	OFF_SL_21-335_21-335
Matthew	Brodin	mbrodin@allete.com	Minnesota Power Company	30 West Superior St Duluth, MN 55802	Electronic Service	No	OFF_SL_21-335_21-335

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Jennifer	Cady	jjcady@mnpower.com	Minnesota Power	30 W Superior St Duluth, MN 55802	Electronic Service	No	OFF_SL_21-335_21-335
David	Cartella	David.Cartella@cliffsnr.com	Cliffs Natural Resources Inc.	200 Public Square Ste 3300 Cleveland, OH 44114-2315	Electronic Service	No	OFF_SL_21-335_21-335
Greg	Chandler	greg.chandler@upm.com	UPM Blandin Paper	115 SW First St Grand Rapids, MN 55744	Electronic Service	No	OFF_SL_21-335_21-335
Steve W.	Chriss	Stephen.chriss@walmart.com	Wal-Mart	2001 SE 10th St. Bentonville, AR 72716-5530	Electronic Service	No	OFF_SL_21-335_21-335
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_21-335_21-335
Riley	Conlin	riley.conlin@stoel.com	Stoel Rives LLP	33 S. 6th Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-335_21-335
Brooke	Cooper	bcooper@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_21-335_21-335
Sean	Copeland	seancopeland@fdlrez.com	Fond du Lac Band of Lake Superior Chippewa	1720 Big Lake Rd Cloquet, MN 55720	Electronic Service	No	OFF_SL_21-335_21-335

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Patrick	Cutshall	pcutshall@allete.com	Minnesota Power	30 West Superior Street Duluth, MN 55802	Electronic Service	Yes	OFF_SL_21-335_21-335
Lisa	Daniels	lisadaniels@windustry.org	Windustry	201 Ridgewood Ave Minneapolis, MN 55403	Electronic Service	No	OFF_SL_21-335_21-335
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_21-335_21-335
J.	Drake Hamilton	hamilton@fresh-energy.org	Fresh Energy	408 St Peter St Ste 350 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_21-335_21-335
Brian	Edstrom	briane@cupminnesota.org	Citizens Utility Board of Minnesota	332 Minnesota St Ste W1360 Saint Paul, MN 55101	Electronic Service	No	OFF_SL_21-335_21-335
Ron	Elwood	relwood@mnlisap.org	Legal Services Advocacy Project	970 Raymond Avenue Suite G-40 Saint Paul, MN 55114	Electronic Service	No	OFF_SL_21-335_21-335
Catherine	Fair	catherine@energycents.org	Energy CENTS Coalition	823 E 7th St St Paul, MN 55106	Electronic Service	No	OFF_SL_21-335_21-335
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_21-335_21-335

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Edward	Garvey	garveyed@aol.com	Residence	32 Lawton St Saint Paul, MN 55102	Electronic Service	No	OFF_SL_21-335_21-335
John R.	Gasele	jpgasele@fryberger.com	Fryberger Buchanan Smith & Frederick PA	700 Lonsdale Building 302 W Superior St Ste 700 Duluth, MN 55802	Electronic Service	No	OFF_SL_21-335_21-335
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_21-335_21-335
Barbara	Gervais	toftemn@boreal.org	Town of Tofte	P O Box 2293 7240 Tofte Park Road Tofte, MN 55615	Electronic Service	No	OFF_SL_21-335_21-335
Jerome	Hall	hallj@stlouiscountymn.gov	Saint Louis County Property Mgmt Dept	Duluth Courthouse 100 N 5th Ave W Rm 515 Duluth, MN 55802-1209	Electronic Service	No	OFF_SL_21-335_21-335
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Kimberly	Hellwig	kimberly.hellwig@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-335_21-335
Annete	Henkel	mui@mnuilityinvestors.org	Minnesota Utility Investors	413 Wacouta Street #230 St.Paul, MN 55101	Electronic Service	No	OFF_SL_21-335_21-335
Valerie	Herring	vherring@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S. Eighth Street Minneapolis, MN 55402	Electronic Service	No	OFF_SL_21-335_21-335

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James	Jarvi	N/A	Minnesota Ore Operations - U S Steel	P O Box 417 Mountain Iron, MN 55768	Paper Service	No	OFF_SL_21-335_21-335
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2950 Yellowtail Ave. Marathon, FL 33050	Electronic Service	No	OFF_SL_21-335_21-335
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STATE OF MINNESOTA)
) ss
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AFFIDAVIT OF SERVICE VIA
ELECTRONIC FILING

Tiana Heger of the City of Duluth, County of St. Louis, State of Minnesota, says that on the 1st day of May, 2023, she served Minnesota Power's Annual Compliance Filing of its 2024 FAC Forecast Petition in **Docket No. E015/AA-23-TBD** on the Minnesota Public Utilities Commission and the Energy Resources Division of the Minnesota Department of Commerce via electronic filing. The persons on E-Docket's Official Service List for this Docket were served as requested.



Tiana Heger