

414 Nicollet Mall Minneapolis, Minnesota 55401-1993

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April 8, 2020

- VIA ELECTRONIC FILING -

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

RE: SUPPLEMENT 2018-2019 Annual Automatic Adjustment of Charges Report - Electric Docket No. E999/AA-20-171

Dear Mr. Seuffert:

Northern States Power Company, doing business as Xcel Energy, submits this Supplement to the Company's Annual Automatic Adjustment of Charges (AAA) for the Company's electric utility operations for the period of July 2018-December 2019, initially filed with the Minnesota Public Utilities Commission on March 2, 2020.

At the request of the Department of Commerce, we submit this Supplement to present the five-year forecast data required by Minn. Rule 7825.2830. Part G of our AAA Report indicated where to locate the five-year forecast data in the Company's May 1, 2019 fuel forecast filing in Docket No. E002/AA-19-293. For clarity of the AAA docket record, we attach the five years of forecast data for 2020-2024 to this Supplement as follows:

Part G, Section 1, Schedule 1 – 5-Year Fuel Cost Forecast – Per Unit Summary Part G, Section 1, Schedule 2 – 5-Year Fuel Cost Forecast – Cost Summary Part G, Section 1, Schedule 3 – 5-Year Fuel Cost Forecast – Energy Summary

We have included a total column to show the annualized data by line. In addition, we provide a summary of the annual dollars per MWh forecast data as Attachment A.

We note that we have attached the five-year forecast data from the May 1, 2019 Petition. We updated the 2020 forecast in our July 31, 2019 Reply Comments in Docket No. E002/AA-19-293. The 2020 fuel costs currently being recovered through the fuel clause are based on the updated July 31 forecast. We will present the five-year forecast for the period 2021-2025 in our forthcoming May 1, 2020 fuel forecast Petition.

Please note that the five-year forecast data is marked as "Not Public." Certain data is considered to be "not public data" pursuant to Minn. Stat. §13.02, Subd.9, and is "Trade Secret" information pursuant to Minn. Stat. §13.37, subd. 1(b) as this data derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use.

Pursuant to Minn. Stat. § 216.17, subd. 3, we have electronically filed this document with the Commission, and a copy has been served on the parties on the attached service list. Please contact Rebecca Eilers at 612-330-5570 or rebecca.deilers@xcelenergy.com or me at 612-330-7681 or lisa.r.peterson@xcelenergy.com if you have any questions regarding this filing.

Sincerely,

/s/

LISA PETERSON MANAGER, REGULATORY ANALYSIS

Enclosures c Service List

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Northern States Power Company Electric Utility - State of Minnesota 2020 - 2024 Annual \$/MWh Forecast

Docket No. E002/AA-20-171 Supplement Attachment A - Page 1 of 1

| Costs in \$1,000's | 2020 | 2021 | 2022 | 2023 | 2024 |
|-----------------------|--------------|--------|------|---------|--------------|
| IPROT | ECTED DATA B | EGINS | | | |
| Net System Cost | | 201110 | | | |
| Net System GWh | | | | | |
| System Cost in \$/MWh | | | | | |
| - | | | | PROTECT | ED DATA ENDS |

Northern States Power Company Electric Utility - State of Minnesota Jan 2020 - Dec 2020

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Docket No. E002/AA-19-293 Part A, Attachment 1 Page 1 of 1

| Costs in \$1,000's | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 | 10/1/2020 | 11/1/2020 | 12/1/2020 | 2020 Total |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Own Generation | | | | | | | | | | | | | |
| Fossil Fuel | [PROTECT | ED DATA | BEGINS | | | | | | | | | | |
| Coal | | | | | | | | | | | | | |
| Wood/RDF | | | | | | | | | | | | | |
| Natural Gas CC Natural Gas & Oil CT | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Hydro | | | | | | | | | | | | | |
| Wind | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Purchased Energy | | | | | | | | | | | | | |
| LT Purchased Energy (Gas) LT Purchased Energy (Solar) | | | | | | | | | | | | | |
| LT Purchased Energy (Wind) | | | | | | | | | | | | | |
| LT Purchased Energy (Other) | | | | | | | | | | | | | |
| ST Market Purchases | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Total System Costs | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Less Sales Revenue Less WindSource | | | | | | | | | | | | | |
| Less WindSource Less Renewable Connect | | | | | | | | | | | | | |
| ····· | | | | | | | | | | | | | |
| Net System Costs | | | | | | | | | | | | | |
| Not Systems Solos | | | | | | | | | | | | | |
| Net System Sales Calendar Month MWh Sales | | | | | | | | | | | | | |
| Calcular Month Mwit Sales | | | | | | | | | | | | | |
| Less Windsource MWh Sales | | | | | | | | | | | | | |
| Less Renewable Connect MWh Sales | | | | | | | | | | | | | |
| Net Sys MWh Sales | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| System Cost in Cents/KWh | | | | | | | | | | | | | |
| Minnesota Juris. MWh Sales | | | | | | | | | | | | | |
| Millicota Julio II an olico | | | | | | | | | | | | | |
| Less Windsource MWh Sales | | | | | | | | | | | | | |
| Less Renewable Connect MWh Sales | | | | | | | | | | | | | |
| Net MN MWh Sales | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MN Fuel Cost | | | | | | | | | | | | | |
| Solar Gardens - Noneconomic | | | | | | | | | | | | | |
| Laurentian Buyout costs Pine Bend Buyout Cost | | | | | | | | | | | | | |
| Benson Buyout Cost | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Forecast MN FCA Costs | | _ | | _ | _ | _ | | | | _ | _ | | |
| | | | | | | | | | | | | | |
| Forecast MN FCA Cost in Cents/KWh | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Forecast MN FCA Cost in \$/MWh | | | | | | | | | | | | | |
| | | | | | | | | | | | PROT | ECTED D | ATA ENDS] |
| | 1 | | | | | | | | | | | | |
| Class FAF Ratio | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1 0177 |
| Residential FAF Ratio C&I Non-Demand FAF Ratio | 1.01/7 | 1.0305 | 1.0177 | 1.01// | 1.01/7 | 1.01// | 1.01/7 | 1.0177 | 1.0177 | 1.0177 | 1.0177 | 1.0177 1.0305 | 1.0177 1.0305 |
| C & I Demand Non-TOD FAF Ratio | 0.9984 | 0.9984 | 0.9984 | 0.9984 | 0.9984 | 0.9984 | 0.9984 | 0.9984 | 0.9984 | 0.9984 | 0.9984 | 0.9984 | 0.9984 |
| C & I Demand TOD On-Peak FAF Ratio | 1.2486 | 1.2486 | 1.2486 | 1.2486 | 1.2486 | 1.2486 | 1.2486 | 1.2486 | 1.2486 | 1.2486 | 1.2486 | 1.2486 | 1.2486 |
| C & I Demand TOD Off-Peak FAF Ratio | 0.8166 | 0.8166 | 0.8166 | 0.8166 | 0.8166 | 0.8166 | 0.8166 | 0.8166 | 0.8166 | 0.8166 | 0.8166 | 0.8166 | 0.8166 |
| Outdoor Lighting FAF Ratio | 0.7976 | 0.7976 | 0.7976 | 0.7976 | 0.7976 | 0.7976 | 0.7976 | 0.7976 | 0.7976 | 0.7976 | 0.7976 | 0.7976 | 0.7976 |
| | | | | | | | | | | | | | |
| 2020 Proposed Fuel Cost Charges in \$/kWh | 80.02425 | ED 00744 | ED 00744 | eo 0 20 02 | PD 02070 | 80.00050 | R0.02.100 | eo 02000 | £0.0207.4 | R0.007740 | CO 02 170 | eo 00000 | R0.02045 |
| Residential C & I Non-Demand | \$0.02437 \$0.02468 | \$0.02741 \$0.02775 | \$0.02764 \$0.02799 | \$0.02902 \$0.02939 | \$0.03070 \$0.03109 | \$0.02959 \$0.02997 | \$0.03489 \$0.03533 | \$0.03000 \$0.03038 | \$0.02874 \$0.02910 | \$0.02760 \$0.02795 | \$0.02479 \$0.02510 | \$0.02332 \$0.02361 | \$0.02817 \$0.02853 |
| C & I Non-Demand C & I Demand Non-TOD | \$0.02468 \$0.02391 | \$0.02775 \$0.02689 | \$0.02799 \$0.02712 | \$0.02939 \$0.02847 | \$0.03109 | \$0.02997 \$0.02903 | \$0.03533 \$0.03423 | \$0.03038 \$0.02943 | \$0.02910 \$0.02819 | \$0.02795 \$0.02708 | \$0.02510 \$0.02432 | \$0.02361 \$0.02287 | \$0.02855 \$0.02764 |
| C & I Demand TOD On-Peak | \$0.02990 | \$0.03362 | \$0.03391 | \$0.03561 | \$0.03767 | \$0.02503 \$0.03631 | \$0.04280 | \$0.02545 \$0.03681 | \$0.03526 | \$0.03386 | \$0.03042 | \$0.02267 | \$0.03457 |
| C & I Demand TOD Off-Peak | \$0.01956 | \$0.02199 | \$0.02218 | \$0.02329 | \$0.02464 | \$0.02375 | \$0.02799 | \$0.02407 | \$0.02306 | \$0.02215 | \$0.01989 | \$0.01871 | \$0.02261 |
| Outdoor Lighting | \$0.01910 | \$0.02148 | \$0.02166 | \$0.02275 | \$0.02406 | \$0.02319 | \$0.02734 | \$0.02351 | \$0.02252 | \$0.02163 | \$0.01943 | \$0.01827 | \$0.02208 |

| Northern States Power Company Electric Utility - State of Minnesota Jan 2021 - Dec 2024 | | | NOT P | | LIC DOCI DATA HA | | EXCISED |) | | | Doo | | 2/AA-19-293 Attachment 1 Page 1 of 4 |
|--|----------|----------|----------|----------|---------------------|----------|----------|----------|----------|-----------|-----------|-----------|--|
| Costs in \$1,000's | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 2021 Total |
| Own Generation Fossil Fuel Coal Wood/RDF Natural Gas CC Natural Gas & Oil CT Subtotal | [PROTECT | ED DATA | BEGINS | | | | | | | | | | |
| Hydro Wind | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy LT Purchased Energy (Gas) LT Purchased Energy (Solar) LT Purchased Energy (Wind) LT Purchased Energy (Other) ST Market Purchases Subtotal | | | | | | | | | | | | | |
| Total System Costs | | | | | | | | | | | | | |
| Less Sales Revenue Less WindSource Less Renewable Connect | | | | | | | | | | | | | |
| Net System Costs | | | | | | | | | | | | | - |
| Net System Sales Calendar Month MWh Sales | | | | | | | | | | | | | |
| Less Windsource MWh Sales Less Renewable Connect MWh Sales | | | | | | | | | | | | | |
| Net Sys MWh Sales | | | | | | | | | | | | | |
| System Cost in Cents/KWh | | | | | | | | | | | | | |
| Minnesota Juris. MWh Sales | | | | | | | | | | | | | |
| Less Windsource MWh Sales Less Renewable Connect MWh Sales | | | | | | | | | | | | | |
| Net MN MWh Sales | | | | | | | | | | | | | |
| MN Fuel Cost Solar Gardens - Noneconomic Laurentian Buyout costs Pine Bend Buyout Cost Benson Buyout Cost | | | | | | | | | | | | | |
| MN FCA System Costs | | | | | | | | | | | | | |
| Forecast System Cost in Cents/KWh | | | | | | | | | | | | | |
| \$/MWh | | | | | | | | | | | PROT | ECTED DA | ATA ENDS] |

Northern States Power Company Electric Utility - State of Minnesota Jan 2021 - Dec 2024

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Docket No. E002/AA-19-293 Part E, Attachment 1 Page 2 of 4

| Costs in \$1,000's | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 2022 Total |
|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|------------|
| Own Generation Fossil Fuel | | TED DATA | | | .,, | .,,, | | | | | | | |
| Coal Wood/RDF Natural Gas CC Natural Gas & Oil CT | IFROTEC | IED DAI | A BEGINS | | | | | | | | | | |
| Subtotal Hydro Wind | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy LT Purchased Energy (Gas) LT Purchased Energy (Solar) LT Purchased Energy (Wind) LT Purchased Energy (Other) ST Market Purchases Subtotal | | | | | | | | | | | | | |
| Total System Costs | | | | | | | | | | | | | |
| Less Sales Revenue Less WindSource Less Renewable Connect | | | | | | | | | | | | | |
| Net System Costs | | | | | | | | | | | | | |
| Net System Sales Calendar Month MWh Sales | | | | | | | | | | | PROTE | CTED DA | TA ENDS] |

Less Windsource MWh Sales Less Renewable Connect MWh Sales

Net Sys MWh Sales

System Cost in Cents/KWh

Minnesota Juris. MWh Sales

Less Windsource MWh Sales Less Renewable Connect MWh Sales

Net MN MWh Sales

MN Fuel Cost Solar Gardens - Noneconomic Laurentian Buyout costs Pine Bend Buyout Cost Benson Buyout Cost

MN FCA System Costs

Forecast System Cost in Cents/KWh

\$/MWh

Northern States Power Company Electric Utility - State of Minnesota Jan 2021 - Dec 2024

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| Costs in \$1,000's | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 2023 Total |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|------------|
| Own Generation | | | | | | | | | | | | | |
| Fossil Fuel | [PROTECT | ED DATA | BEGINS | | | | | | | | | | |
| Coal | | | | | | | | | | | | | |
| Wood/RDF | | | | | | | | | | | | | |
| Natural Gas CC | | | | | | | | | | | | | |
| Natural Gas & Oil CT | - | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Hydro | | | | | | | | | | | | | |
| Wind | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy | | | | | | | | | | | | | |
| LT Purchased Energy (Gas) | | | | | | | | | | | | | |
| LT Purchased Energy (Solar) | | | | | | | | | | | | | |
| LT Purchased Energy (Wind) | | | | | | | | | | | | | |
| LT Purchased Energy (Other) | | | | | | | | | | | | | |
| ST Market Purchases | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Total System Costs | | | | | | | | | | | | | |
| Less Sales Revenue | | | | | | | | | | | | | |
| Less WindSource | | | | | | | | | | | | | |
| Less Renewable Connect | | | | | | | | | | | | | |
| Net System Costs | | | | | | | | | | | | | |
| HUB STOTE COSIS | | | | | | | | | | | PROTE | CTED DA | TA ENDSI |
| Net System Sales | | | | | | | | | | | | | |

Calendar Month MWh Sales

Less Windsource MWh Sales Less Renewable Connect MWh Sales

Net Sys MWh Sales

No

System Cost in Cents/KWh

Minnesota Juris. MWh Sales

Less Windsource MWh Sales Less Renewable Connect MWh Sales

Net MN MWh Sales

MN Fuel Cost Solar Gardens - Noneconomic Laurentian Buyout costs Pine Bend Buyout Cost Benson Buyout Cost

MN FCA System Costs

Forecast System Cost in Cents/KWh

\$/MWh

Northern States Power Company Electric Utility - State of Minnesota Jan 2021 - Dec 2024

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| Costs in \$1,000's | 1/1/2024 | 0 /1 /0004 | 2 /1 /0004 | 4/1/2024 | 5 /1 /2024 | 6/1/2024 | 7/1/2024 | 8/1/2024 | 0 /1 /2024 | 10/1/2024 | 11/1/2024 | 10 /1 /000 / | 2024 Total |
|--|----------|------------|------------|----------|------------|----------|----------|----------|------------|-----------|-----------|--------------|-------------|
| Cosis m \$1,000 s | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 | 6/1/2024 | //1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 2024 1 otai |
| Own Generation | | | | | | | | | | | | | |
| Fossil Fuel | [PROTEC | TED DATA | BEGINS | | | | | | | | | | |
| Coal | 1 | | | | | | | | | | | | |
| Wood/RDF | | | | | | | | | | | | | |
| Natural Gas CC Natural Gas & Oil CT | | | | | | | | | | | | | |
| Natural Gas & Oil CT Subtotal | | | | | | | | | | | | | |
| Subtotai | | | | | | | | | | | | | |
| Hydro | | | | | | | | | | | | | |
| Wind | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy | | | | | | | | | | | | | |
| LT Purchased Energy (Gas) | - | | | | | | | | | | | | |
| LT Purchased Energy (Solar) | | | | | | | | | | | | | |
| LT Purchased Energy (Wind) | | | | | | | | | | | | | |
| LT Purchased Energy (Other) | | | | | | | | | | | | | |
| ST Market Purchases | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Total System Costs | | | | | | | | | | | | | |
| Less Sales Revenue | | | | | | | | | | | | | |
| Less WindSource | | | | | | | | | | | | | |
| Less Renewable Connect | | | | | | | | | | | | | |
| No. Contra | | | | | | | | | | | | | |
| Net System Costs | | | | | | | | | | | PROTE | CTED DA | TA ENDS |
| Net System Sales | | | | | | | | | | | TROTE | | |
| Calendar Month MWh Sales | | | | | | | | | | | | | |

Less Windsource MWh Sales Less Renewable Connect MWh Sales

Net Sys MWh Sales

System Cost in Cents/KWh

Minnesota Juris. MWh Sales

Less Windsource MWh Sales Less Renewable Connect MWh Sales

Net MN MWh Sales

MN Fuel Cost Solar Gardens - Noneconomic Laurentian Buyout costs Pine Bend Buyout Cost Benson Buyout Cost

MN FCA System Costs

Forecast System Cost in Cents/KWh

\$/MWh

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Northern States Power Company Electric Utility - State of Minnesota

Jan 2020 - Dec 2020

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| Energy in GWhs | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 | 10/1/2020 | 11/1/2020 | 12/1/2020 | 2020 Total |
|---------------------------------|----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|------------|
| Own Generation | | | | | | | | | | | | | |
| Fossil Fuel | [PROTECT | ED DATA I | BEGINS | | | | | | | | | | |
| Coal | | | | | | | | | | | | | |
| Wood/RDF | | | | | | | | | | | | | |
| Natural Gas CC | | | | | | | | | | | | | |
| Natural Gas & Oil CT | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Hydro | | | | | | | | | | | | | |
| Wind | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy | | | | | | | | | | | | | |
| LT Purchased Energy (Gas) | | | | | | | | | | | | | |
| LT Purchased Energy (Solar) | | | | | | | | | | | | | |
| LT Purchased Energy (Wind) | | | | | | | | | | | | | |
| LT Purchased Energy (Other) | | | | | | | | | | | | | |
| ST Market Purchases Subtotal | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Total System GWh | | | | | | | | | | | | | |
| Less Sales GWh | | | | | | | | | | | | | |
| Less WindSource GWh | | | | | | | | | | | | | |
| Less Renewable Connect GWh | | | | | | | | | | | | | |
| Net System GWh | | | | | | | | | | | | | |
| | . | | | | | | | | | | PROTI | ECTED DA | TA ENDS |

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Northern States Power Company

Jan 2021 - Dec 2024

Electric Utility - State of Minnesota

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| Energy in GWhs | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 2021 Total |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|------------|
| Own Generation | | | | | | | | | | | | | |
| Fossil Fuel Coal | [PROTECT | ED DATA | BEGINS | | | | | | | | | | |
| Wood/RDF | | | | | | | | | | | | | |
| Natural Gas CC Natural Gas & Oil CT | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Hydro | | | | | | | | | | | | | |
| Wind | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy | | | | | | | | | | | | | |
| LT Purchased Energy (Gas) LT Purchased Energy (Solar) | | | | | | | | | | | | | |
| LT Purchased Energy (Solar) LT Purchased Energy (Wind) | | | | | | | | | | | | | |
| LT Purchased Energy (Other) | | | | | | | | | | | | | |
| ST Market Purchases Subtotal | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Total System GWh | | | | | | | | | | | | | |
| Less Sales GWh | | | | | | | | | | | | | |
| Less WindSource GWh Less Renewable Connect GWh | | | | | | | | | | | | | |
| Net System GWh | | | | | | | | | | | | | |
| | | | | | | | | | | | PROTE | CTED DA | TA ENDS] |

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Northern States Power Company Electric Utility - State of Minnesota

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| Fosil Fuel PROTECTED DATA BEGINS Coll Wool/RDF Natural Gas CC Natural Gas CC Natural Gas CO ICI T Image: Constraint of the second | Energy in GWbs | 1/1/2022 | 2/1/2022 | 3/1/2022 | 4/1/2022 | 5/1/2022 | 6/1/2022 | 7/1/2022 | 8/1/2022 | 9/1/2022 | 10/1/2022 | 11/1/2022 | 12/1/2022 | 2022 Total |
|--|--|----------|------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|------------|
| Wood/RDF Natural Gas CC Natural Gas CA Image: Calibratic content of the content | | [PROTECT | 'ED DATA I | BEGINS | | | | | | | | | | |
| Hydro Wind Image: Constraint of the second | Wood/RDF Natural Gas CC | 1 | | | | | | | | | | | | |
| Wind Image: Solution of the set of t | Subtotal | | | | | | | | | | | | | |
| Purchased Energy I.T Purchased Energy (Gas) I.T Purchased Energy (Solar) L.T Purchased Energy (Wind) I.T Purchased Energy (Other) ST Market Purchases | - | | | | | | | | | | | | | |
| LT Purchased Energy (Gas) LT Purchased Energy (Solar) LT Purchased Energy (Wind) LT Purchased Energy (Wind) LT Purchased Energy (Other) St ST Market Purchases Subtotal Image: Constant of the stant of the st | Nuclear Fuel | | | | | | | | | | | | | |
| Total System GWh Image: Constant of the system GWh Less Sales GWh Image: Constant of the system GWh Less Renewable Connect GWh Image: Connect GWh | LT Purchased Energy (Solar) LT Purchased Energy (Wind) LT Purchased Energy (Other) | | | | | | | | | | | | | |
| Less Sales GWh Less WindSource GWh Less Renewable Connect GWh | Subtotal | | | | | | | | | | | | | |
| Less Sales GWh Less WindSource GWh Less Renewable Connect GWh | | | | | | | | | | | | | | |
| Less WindSource GWh Less Renewable Connect GWh | Total System GWh | | | | | | | | | | | | | |
| | Less Sales GWh Less WindSource GWh Less Renewable Connect GWh | | | | | | | | | | | | | |
| Net System GWh PROTECTED DATA ENDS] | Net System GWh | | | | | | | | | | | PROTE | CTED DA | TA ENDSI |

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Northern States Power Company

Jan 2021 - Dec 2024

Electric Utility - State of Minnesota

Docket No. E002/AA-19-293 Part E, Attachment 2 Page 3 of 4

| Energy in GWbs | 1/1/2023 | 2/1/2023 | 3/1/2023 | 4/1/2023 | 5/1/2023 | 6/1/2023 | 7/1/2023 | 8/1/2023 | 9/1/2023 | 10/1/2023 | 11/1/2023 | 12/1/2023 | 2023 Total |
|--|----------|-----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|------------|
| Own Generation Fossil Fuel Coal Wood/RDF | [PROTECT | ED DATA I | BEGINS | | | | | | | | | | |
| Natural Gas CC Natural Gas & Oil CT Subtotal | | | | | | | | | | | | | |
| Hydro Wind | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy LT Purchased Energy (Gas) LT Purchased Energy (Solar) LT Purchased Energy (Wind) LT Purchased Energy (Other) ST Market Purchases | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Total System GWh | | | | | | | | | | | | | |
| Less Sales GWh Less WindSource GWh Less Renewable Connect GWh | | | | | | | | | | | | | |
| Net System GWh | | | | | | | | | | | PROTE | ECTED DA | TA ENDS] |

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| NOT PUBLIC DATA HAS BEEN EXCISED | | | | | | | | | |

Northern States Power Company

Jan 2021 - Dec 2024

Electric Utility - State of Minnesota

Docket No. E002/AA-19-293 Part E, Attachment 2 Page 4 of 4

| | 4 14 10004 | a (1 (aca) | | | | < /4 /000 / | = (4 (2024) | 0 /4 /0004 | 0 /4 /0004 | 40 /4 /0004 | 44 /4 /0004 | 40 14 1000 1 | |
|-----------------------------|------------|------------|----------|----------|----------|-------------|-------------|------------|------------|-------------|-------------|--------------|------------|
| Energy in GWhs | 1/1/2024 | 2/1/2024 | 3/1/2024 | 4/1/2024 | 5/1/2024 | 6/1/2024 | 7/1/2024 | 8/1/2024 | 9/1/2024 | 10/1/2024 | 11/1/2024 | 12/1/2024 | 2024 Total |
| Own Generation | | | | | | | | | | | | | |
| Fossil Fuel | [PROTECT | ED DATA E | BEGINS | | | | | | | | | | |
| Coal | | | | | | | | | | | | | |
| Wood/RDF | | | | | | | | | | | | | |
| Natural Gas CC | | | | | | | | | | | | | |
| Natural Gas & Oil CT | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Hydro | | | | | | | | | | | | | |
| Wind | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy | | | | | | | | | | | | | |
| LT Purchased Energy (Gas) | 1 | | | | | | | | | | | | |
| LT Purchased Energy (Solar) | | | | | | | | | | | | | |
| LT Purchased Energy (Wind) | | | | | | | | | | | | | |
| LT Purchased Energy (Other) | | | | | | | | | | | | | |
| ST Market Purchases | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| | l | | | | | | | | | | | | |
| Total System GWh | | | | | | | | | | | | | |
| Less Sales GWh | | | | | | | | | | | | | |
| Less WindSource GWh | | | | | | | | | | | | | |
| Less Renewable Connect GWh | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Net System GWh | | | | | | | | | | | PROT | ECTED DA | TA ENDSI |
| | | | | | | | | | | | 1 101 | LUILD Dr | |

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Northern States Power Company Electric Utility - State of Minnesota

Jan 2020 - Dec 2020

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| \$/MWb | 1/1/2020 | 2/1/2020 | 3/1/2020 | 4/1/2020 | 5/1/2020 | 6/1/2020 | 7/1/2020 | 8/1/2020 | 9/1/2020 | 10/1/2020 | 11/1/2020 | 12/1/2020 | 2020 Total |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|------------|
| Own Generation | | | | | | | | | | | | | |
| | [PROTECT | ED DATA | BEGINS | | | | | | | | | | |
| Coal | | | | | | | | | | | | | |
| Wood/RDF | | | | | | | | | | | | | |
| Natural Gas CC | | | | | | | | | | | | | |
| Natural Gas & Oil CT | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Hydro | | | | | | | | | | | | | |
| Wind | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy | | | | | | | | | | | | | |
| LT Purchased Energy (Gas) | | | | | | | | | | | | | |
| LT Purchased Energy (Solar) | | | | | | | | | | | | | |
| LT Purchased Energy (Wind) | | | | | | | | | | | | | |
| LT Purchased Energy (Other) | | | | | | | | | | | | | |
| ST Market Purchases | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Total System \$/MWh | | | | | | | | | | | | | |
| Less Sales | | | | | | | | | | | | | |
| Less WindSource | | | | | | | | | | | | | |
| Less Renewable Connect | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Net System \$/MWh | | | | | | | | | | | PRO | TECTED D | ATA ENDS |

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Northern States Power Company

Jan 2021 - Dec 2024

Electric Utility - State of Minnesota

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| \$/MWb | 1/1/2021 | 2/1/2021 | 3/1/2021 | 4/1/2021 | 5/1/2021 | 6/1/2021 | 7/1/2021 | 8/1/2021 | 9/1/2021 | 10/1/2021 | 11/1/2021 | 12/1/2021 | 2021 Total |
|--|----------|-------------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|------------|
| Own Generation Fossil Fuel | PROTECT | ΈΓΙ ΓΙΑΤΆ Ι | REGINS | | | | | | | | | | |
| Coal Wood/RDF Natural Gas CC Natural Gas & Oil CT | IFROTECT | ED DATAT | JEGINS | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| Hydro Wind | | | | | | | | | | | | | |
| Nuclear Fuel | | | | | | | | | | | | | |
| Purchased Energy LT Purchased Energy (Gas) LT Purchased Energy (Solar) LT Purchased Energy (Wind) LT Purchased Energy (Other) ST Market Purchases | | | | | | | | | | | | | |
| Subtotal | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Total System \$/MWh | | | | | | | | | | | | | |
| Less Sales Less WindSource Less Renewable Connect | | | | | | | | | | | | | |
| Net System \$/MWh | | | | | | | | | | | PROT | ECTED DA | TA ENDS |

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| NOT PUBLIC DATA HAS BEEN EXCISED |

Northern States Power Company

Jan 2021 - Dec 2024

Electric Utility - State of Minnesota

Docket No. E002/AA-19-293 Part E, Attachment 3 Page 2 of 4

| \$/MWb | 1/1/2022 2/1/2022 3/1/2022 4/1/2022 5/1/2022 6/1/2022 7/1/2022 8/1/2022 9/1/2022 10/1/2022 11/1/2022 12/1/2022 | 2022 Total |
|-------------------------------|--|------------|
| Own Generation | | |
| Fossil Fuel | [PROTECTED DATA BEGINS | |
| Coal | | |
| Wood/RDF | | |
| Natural Gas CC | | |
| Natural Gas & Oil CT | | |
| Subtotal | | |
| Hydro | | |
| Wind | | |
| | | |
| Nuclear Fuel | | |
| Purchased Energy | | |
| LT Purchased Energy (Gas) | | |
| LT Purchased Energy (Solar) | | |
| LT Purchased Energy (Wind) | | |
| LT Purchased Energy (Other) | | |
| ST Market Purchases | | |
| Subtotal | | |
| | | |
| Total System \$/MWh | | |
| Less Sales | | |
| Less Sales Less WindSource | | |
| Less Renewable Connect | | |
| | | |
| Net System \$/MWh | | |

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PUBLIC DOCUMENT Northern States Power Company NOT PUBLIC DATA HAS BEEN EXCISED Electric Utility - State of Minnesota Jan 2021 - Dec 2024 \$/MWb 1/1/2023 2/1/2023 3/1/2023 4/1/2023 5/1/2023 6/1/2023 7/1/2023 8/1/2023 9/1/2023 10/1/2023 11/1/2023 12/1/2023 2023 Total **Own Generation** Fossil Fuel [PROTECTED DATA BEGINS Coal Wood/RDF Natural Gas CC Natural Gas & Oil CT Subtotal Hydro Wind Nuclear Fuel Purchased Energy LT Purchased Energy (Gas) LT Purchased Energy (Solar) LT Purchased Energy (Wind) LT Purchased Energy (Other) ST Market Purchases Subtotal Total System \$/MWh Less Sales Less WindSource Less Renewable Connect

Net System \$/MWh

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Northern States Power Company

Jan 2021 - Dec 2024

Electric Utility - State of Minnesota

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| \$/MWb | 1/1/2024 2/1/2024 3/1/2024 4/1/2024 5/1/2024 6/1/2024 7/1/2024 8/1/2024 9/1/2024 10/1/2024 11/1/2024 12/1/2024 | 2024 Total |
|--|--|------------|
| Own Generation Fossil Fuel Coal Wood/RDF Natural Gas CC Natural Gas & Oil CT Subtotal | [PROTECTED DATA BEGINS | |
| Hydro Wind Nuclear Fuel | | |
| Purchased Energy LT Purchased Energy (Gas) LT Purchased Energy (Solar) LT Purchased Energy (Wind) LT Purchased Energy (Other) ST Market Purchases | | |
| Subtotal | | |
| | | |
| Total System \$/MWh | | |
| Less Sales Less WindSource Less Renewable Connect | | |
| Net System \$/MWh | PROTECTED DA | TA ENDS] |

CERTIFICATE OF SERVICE

I, Paget Pengelly, hereby certify that I have this day served copies of the foregoing document on the attached list of persons.

- <u>xx</u> by depositing a true and correct copy thereof, properly enveloped with postage paid in the United States mail at Minneapolis, Minnesota
- <u>xx</u> electronic filing

DOCKET NO. E999/AA-20-171

Dated this 8th day of April 2020

/s/

Paget Pengelly

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|----------------|--------------------|---------------------------------------|--|---|----------------------------|-------------------|-----------------------------|
| Christopher | Anderson | canderson@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022191 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Daniel | Beckett | daniel.beckett@state.mn.u s | Department of Commerce | 85 7th PI E #500 Saint Paul, Minnesota 55101 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Peter | Beithon | pbeithon@otpco.com | Otter Tail Power Company | P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496 | Electronic Service reet | No | OFF_SL_20-171_AA-20- 171 |
| Nancy | Campbell | Nancy.campbell@state.mn. us | Department of Commerce | 121 Seventh Place EastSuite 200 St. Paul, MN 551012145 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Generic Notice | Commerce Attorneys | commerce.attorneys@ag.st ate.mn.us | Office of the Attorney General-DOC | 445 Minnesota Street Suite 1400 St. Paul, MN 55101 | Electronic Service | Yes | OFF_SL_20-171_AA-20- 171 |
| Hillary | Creurer | hcreurer@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 55802 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| David | Dahlberg | davedahlberg@nweco.com | Northwestern Wisconsin Electric Company | P.O. Box 9 104 South Pine Street Grantsburg, WI 548400009 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Sharon | Ferguson | sharon.ferguson@state.mn .us | Department of Commerce | 85 7th Place E Ste 280 Saint Paul, MN 551012198 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Bruce | Gerhardson | bgerhardson@otpco.com | Otter Tail Power Company | PO Box 496 215 S Cascade St Fergus Falls, MN 565380496 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Fodd J. | Guerrero | todd.guerrero@kutakrock.c om | Kutak Rock LLP | Suite 1750 220 South Sixth Stree Minneapolis, MN 554021425 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|------------|------------------|--------------------------------------|-----------------------------|--|--------------------|-------------------|-----------------------------|
| Matt | Harris | matt.b.harris@xcelenergy.c om | XCEL ENERGY | 401 Nicollet Mall FL 8 Minneapolis, MN 55401 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Corey | Hintz | chintz@dakotaelectric.com | Dakota Electric Association | 4300 220th Street Farmington, MN 550249583 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Mark | Johnson | Mark.A.Johnson@state.mn .us | Department of Commerce | 85 7th Place East Suite 500 St. Paul, MN 55101 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Sarah | Johnson Phillips | sarah.phillips@stoel.com | Stoel Rives LLP | 33 South Sixth Street Suite 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Douglas | Larson | dlarson@dakotaelectric.co m | Dakota Electric Association | 4300 220th St W Farmington, MN 55024 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Amy | Liberkowski | amy.a.liberkowski@xcelen ergy.com | Xcel Energy | 414 Nicollet Mall 7th Floor Minneapolis, MN 554011993 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Susan | Ludwig | sludwig@mnpower.com | Minnesota Power | 30 West Superior Street Duluth, MN 55802 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| David | Moeller | dmoeller@allete.com | Minnesota Power | 30 W Superior St Duluth, MN 558022093 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Andrew | Moratzka | andrew.moratzka@stoel.co m | Stoel Rives LLP | 33 South Sixth St Ste 4200 Minneapolis, MN 55402 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Samir | Ouanes | samir.ouanes@state.mn.us | Department of Commerce | 85 7th Place East, Suite 500 St Paul, MN 55101 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |

| First Name | Last Name | Email | Company Name | Address | Delivery Method | View Trade Secret | Service List Name |
|----------------|--------------------------------|--|---------------------------------------|---|----------------------------|-------------------|-----------------------------|
| David G. | Prazak | dprazak@otpco.com | Otter Tail Power Company | P.O. Box 496 215 South Cascade S Fergus Falls, MN 565380496 | Electronic Service reet | No | OFF_SL_20-171_AA-20- 171 |
| Stephen | Rakow | stephen.rakow@state.mn.u s | Department of Commerce | Suite 280 85 Seventh Place Eas St. Paul, MN 551012198 | Electronic Service t | No | OFF_SL_20-171_AA-20- 171 |
| Generic Notice | Residential Utilities Division | residential.utilities@ag.stat e.mn.us | Office of the Attorney General-RUD | 1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131 | Electronic Service | Yes | OFF_SL_20-171_AA-20- 171 |
| Will | Seuffert | Will.Seuffert@state.mn.us | Public Utilities Commission | 121 7th PI E Ste 350 Saint Paul, MN 55101 | Electronic Service | Yes | OFF_SL_20-171_AA-20- 171 |
| Cary | Stephenson | cStephenson@otpco.com | Otter Tail Power Company | 215 South Cascade Street Fergus Falls, MN 56537 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Lynnette | Sweet | Regulatory.records@xcele nergy.com | Xcel Energy | 414 Nicollet Mall FL 7 Minneapolis, MN 554011993 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Stuart | Tommerdahl | stommerdahl@otpco.com | Otter Tail Power Company | 215 S Cascade St PO Box 496 Fergus Falls, MN 56537 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Robyn | Woeste | robynwoeste@alliantenerg y.com | Interstate Power and Light Company | 200 First St SE Cedar Rapids, IA 52401 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |
| Michael | Zajicek | Michael.Zajicek@state.mn. us | Department of Commerce | 85 East Seventh Place Suite 500 St. Paul, Minnesota 55101 | Electronic Service | No | OFF_SL_20-171_AA-20- 171 |