

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter of the application of)	
NORTHERN STATES POWER COMPANY , a)	
Wisconsin corporation, and wholly owned subsidiary)	Case No. U-21097
of Xcel Energy Inc., for authority to increase electric)	
rates in the state of Michigan.)	
_____)	

At the March 17, 2022 meeting of the Michigan Public Service Commission in Lansing,
Michigan.

PRESENT: Hon. Daniel C. Scripps, Chair
Hon. Tremaine L. Phillips, Commissioner
Hon. Katherine L. Peretick, Commissioner

ORDER APPROVING SETTLEMENT AGREEMENT

On September 22, 2021, Northern States Power Company, a Wisconsin corporation (NSP-W) filed an application, along with supporting testimony and exhibits, proposing, among other things, an annual increase in revenues of \$2.5 million based on a 2022 projected test year.

A prehearing conference was held on October 19, 2021, before Administrative Law Judge Katherine E. Talbot (ALJ), at which petitions for interventions filed by the Citizens Utility Board of Michigan and the Association of Businesses Advocating Tariff Equity were granted. Additionally, the ALJ acknowledged the intervention of the Michigan Department of Attorney General. The Commission Staff also participated in the proceeding. Subsequently, the parties filed a settlement agreement resolving all issues in the case.

According to key provisions of the settlement agreement, attached as Exhibit A, the parties agree that NSP-W should be authorized to increase its Michigan electric rates in the annual amount of \$1,700,000, which becomes effective with the first billing month immediately following an order approving the settlement agreement. The parties further agree that this increase represents an authorized return on common equity of 9.7%. The parties agree to a new power supply cost recovery (PSCR) base rate at the generation level of 54.532 mills per kilowatt-hour (kWh) at sales level and a PSCR line loss factor of 7.77%. Additionally, effective with the first full billing month following an order approving the settlement agreement, NSP-W's 2022 PSCR factor shall change to \$0.00129 per kWh.

The parties further agree that NSP-W will implement an earnings sharing mechanism for the calendar years of 2022 and 2023 whereby NSP-W will refund to its Michigan electric customers 100% of Michigan-jurisdictional earnings above the authorized rate of return on common equity of 9.7%. NSP-W also agrees to commit to a 2022 distribution capital investment of \$4,700,000 and is authorized to defer its actual capital investment incremental revenue requirement up to the projected amount of \$4.7 million in Distribution Non-AGIS Capital Investment for the year 2023. Over the calendar years of 2022 and 2023, NSP-W shall perform no less than a cumulative total of 75 miles of vegetation maintenance on overhead distribution lines located in its Michigan electric service area. NSP-W also agreed to work with the Staff to develop and file a distribution plan system.

The parties also agree that NSP-W will not, pursuant to MCL 460.6a, seek an increase in its Michigan electric base rates to take effect prior to January 1, 2024. However, NSP-W is not precluded from filing a request for a rate adjustment effective prior to January 1, 2024, if (1) corporate income tax rates are increased beyond current levels and (2) the Commission does not

sua sponte open a docket within two months of the change to promptly address the effect of the corporate income tax change on utility expenses in rates. NSP-W's request in that instance would be limited to the tax impact.

The Commission has reviewed the settlement agreement and finds that the public interest is adequately represented by the parties who entered into the settlement agreement. The Commission further finds that the settlement agreement is in the public interest, represents a fair and reasonable resolution of the proceeding, and should be approved.

THEREFORE, IT IS ORDERED that:

- A. The settlement agreement, attached as Exhibit A, is approved.
- B. Effective for service beginning with the first billing month immediately following the issuance of this order, Northern States Power Company shall implement the rates and tariffs for electric service approved by this order, as set forth in Attachment 1 and Attachment 2 to the settlement agreement.
- C. Within 30 days of the issuance of this order, Northern States Power Company shall file with the Commission tariff sheets substantially similar to those contained in Attachment 3 to the settlement agreement.

The Commission reserves jurisdiction and may issue further orders as necessary.

Any party desiring to appeal this order must do so in the appropriate court within 30 days after issuance and notice of this order, pursuant to MCL 462.26. To comply with the Michigan Rules of Court's requirement to notify the Commission of an appeal, appellants shall send required notices to both the Commission's Executive Secretary and to the Commission's Legal Counsel.

Electronic notifications should be sent to the Executive Secretary at mpscedockets@michigan.gov and to the Michigan Department of the Attorney General - Public Service Division at pungpl@michigan.gov. In lieu of electronic submissions, paper copies of such notifications may be sent to the Executive Secretary and the Attorney General - Public Service Division at 7109 W. Saginaw Hwy., Lansing, MI 48917.

MICHIGAN PUBLIC SERVICE COMMISSION

Daniel C. Scripps, Chair

Tremaine L. Phillips, Commissioner

Katherine L. Peretick, Commissioner

By its action of March 17, 2022.

Lisa Felice, Executive Secretary

STATE OF MICHIGAN
BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

* * * *

In the matter of the application of)	
NORTHERN STATES POWER COMPANY , a Wisconsin)	
corporation, and wholly owned subsidiary of Xcel Energy Inc.,)	Case No. U-21097
<u>for authority to increase electric rates in the State of Michigan.</u>)	

SETTLEMENT AGREEMENT

Pursuant to MCL 24.278 and Rule 431 of the Michigan Administrative Hearing System’s Administrative Rules, R 792.10431, Northern States Power Company, a Wisconsin corporation (“NSP-W” or the “Company”), the Association of Businesses Advocating Tariff Equity (“ABATE”), Attorney General Dana Nessel (“Attorney General”), Citizens Utility Board of Michigan (“CUB”) and the Michigan Public Service Commission Staff (“Staff”) agree as follows:

1. On September 22, 2021, NSP-W filed with the Michigan Public Service Commission (“MPSC” or the “Commission”) its application in this case proposing, among other things, an annual increase in revenues of \$2.5 million based on a 2022 projected test year. The application was supported by filed testimony, exhibits, and workpapers.
2. On September 24, 2021, the Commission issued its Notice of Hearing scheduling a prehearing conference for October 19, 2021.
3. In accordance with the Commission’s Notice of Hearing, NSP-W provided notice throughout its Michigan electric service territory. The Company’s affidavit of mailing and proof of publication were electronically filed with the Commission on October 4, 2021.

4. On October 19, 2021, Administrative Law Judge (“ALJ”) Katherine Talbot presided over a prehearing conference in this matter. The Company and Staff participated, and the Attorney General, ABATE, and CUB were granted intervenor status.

5. Following the prehearing conference, Staff conducted a due diligence review, and Staff and the parties engaged in discovery. Thereafter, the parties engaged in extensive settlement discussions, which negotiations have led to the agreements incorporated in this settlement agreement.

6. It is the opinion of the parties that this settlement agreement is reasonable, prudent, in the public interest, will aid in the expeditious conclusion of this proceeding, and will minimize the expense which would otherwise have to be devoted by the Commission and the parties.

7. The settlement agreement resolves all the issues in this case, and all provisions of the settlement agreement are dependent upon all other provisions.

8. By this settlement agreement, NSP-W, Staff, ABATE, CUB, and the Attorney General agree as follows:

- a. As based on a 2022 test year, NSP-W’s Michigan electric rates will be increased to recover additional annual revenues of \$1,700,000, effective for service rendered beginning with the first billing month immediately following the date of the Commission’s order approving this settlement agreement. The additional annual revenue of \$1,700,000 reflects a 4-year amortization totaling \$100,000 annually as addressed in paragraph 8e below and reflects the depreciation rates approved by the Commission in Case No. U-21121.

- b. The authorized electric rate on common equity (“ROE”) is 9.7% and an overall electric rate of return of 5.89%, each effective on and after the first day following the date of the Commission’s order approving this settlement agreement.
- c. NSP-W should be authorized to revise its rates consistent with paragraph 8a herein, in accordance with the percentage increases as set forth in Attachment 1 herein, and consistent with the revised rates set forth in Attachment 2 and the tariff sheets attached as Attachment 3 hereto.
- d. The revised rates set forth in Attachment 2 reflect a new Power Supply Cost Recovery (“PSCR”) base rate of 54.532 mills per kWh at sales level (50.60 mills per kWh at generation level) and a PSCR line loss factor at 7.77%. Additionally, effective with the first full billing month after the Commission’s order approving this settlement agreement, the 2022 PSCR factor shall change to \$0.00129 per kWh which represents the roll-in of the estimated 2021 PSCR underrecovery. All other rates, miscellaneous tariff and service charges including but not limited to customer charges, demand charges, distribution charges and the non-PSCR portions of power supply charges reflected in Attachment 2 are also to become effective for service rendered beginning with the first billing month immediately following the date of the Commission order approving this settlement agreement.
- e. NSP-W is authorized beginning January 1, 2022, to amortize over 4 years the depreciation deferral total of \$400,000 authorized in Case No. U-20901.

- f. NSP-W will implement an Earnings Sharing Mechanism for the calendar years of 2022 and 2023 whereby NSP-W will refund to its Michigan electric customers 100% of Michigan electric jurisdictional earnings above the authorized rate of return on common equity of 9.7%.
- g. NSP-W shall implement as soon as practicable in 2022 a Low-Income Assistance Service program as set forth in Attachment 3 hereto, which will be available to all qualifying customers, and it is agreed that NSP-W will apply deferred accounting and carrying costs for the expense associated with the credits above or below \$64,800 annually through December 31, 2023.
- h. NSP-W agrees to commit to 2022 distribution capital investment of \$4,700,000 as proposed in the Company's direct case and file a related year-end report in this docket.
- i. Over the calendar years of 2022 and 2023, NSP-W shall perform no less than a cumulative total of 75 miles of vegetation maintenance on overhead lines located in its Michigan electric service area.
- j. NSP-W is authorized to defer its actual capital investment incremental revenue requirement up to the projected amount of \$4.7 million in Distribution Non-AGIS Capital Investment for the year 2023. The regulatory asset shall only capture incremental revenue requirement of actual distribution capital investment in 2023 that is not included in base rates in the instant case through the earlier of December 31, 2023, or whenever base rates are reset subsequent to this case. The regulatory asset

shall be calculated similar to what is shown on Exhibit A-18 (JAM-14) updated for a 9.7% ROE and 5.89% overall rate of return and capped at a maximum of \$379,000. The Company shall include the distribution capital investment and the associated regulatory asset with a reasonable amortization period in its next rate case for prudence review and rate recovery.

- k. NSP-W shall work with the Staff to develop and file a Distribution System Plan.
- l. For the calendar years of 2022 and 2023, NSP-W agrees to donate \$25,000 per year for low-income utility bill assistance.
- m. NSP-W will not, pursuant to MCL 460.6a, seek an increase in its Michigan electric base rates to take effect prior to January 1, 2024. However, NSP-W is not precluded from filing a request for a rate adjustment effective prior to January 1, 2024 if (a) corporate income tax rates are increased beyond current levels, and (b) the Commission does not sua sponte open a docket within 2 months of the change to promptly address the effect of the corporate income tax change on utility expenses in rates. NSP-W's request in that instant would be limited to the tax impact.
- n. In its next electric base rate case, NSP-W shall:
 - i. Move towards a more balanced Michigan-only capital structure for purposes of setting its Michigan electric rates. Additionally, NSP-W agrees to include short-term debt in the overall capital structure

but exclude short-term debt from its permanent capital structure in its future Michigan electric base rate cases.

- ii. Identify all contingency risks and uncertainties included in its forecasted capital and O&M expenses.
- iii. Unless addressed as part of the Distribution System Plan identified in paragraph 8k herein, provide a plan to reduce electric outages in its Michigan service territory and improve electric service reliability. NSP-W will also provide comparative actual reliability data for its Michigan service territory for the relevant historic period.

9. Each party agrees not to appeal, challenge or contest the terms and rates approved by the Commission in this case if they are the result of a Commission order accepting and approving this settlement agreement without modification. If the Commission does not accept this settlement agreement without modification, this settlement agreement shall be withdrawn and shall not constitute any part of the record in this proceeding or be used for any other purpose whatsoever.

10. The settlement agreement is entered into for the sole and express purpose of reaching compromise among the parties. All offers of settlement and discussions relating to this settlement agreement are considered privileged under MRE 408. If the Commission approves the settlement agreement without modification, neither the parties to the settlement nor the Commission shall make any reference to, or use this settlement agreement or the order approving it, as a reason, authority, rationale, or example for taking any action or position or making any subsequent decision in any other case or proceeding; provided however, such reference may be

made to enforce or implement the provisions of this settlement agreement and the order approving it.

11. The settlement agreement is not severable. Each provision of the settlement agreement is dependent upon all other provisions of the settlement agreement. Failure to comply with any provision of the settlement agreement constitutes failure to comply with the entire settlement agreement.

12. The parties agree to waive Section 81 of the Administrative Procedures Act of 1969, MCL 24.281, as it applies to the issues in this proceeding, if the Commission approves this settlement agreement without modification.

NORTHERN STATES POWER COMPANY

Dated: February 10, 2022

By: _____

Sherri Wellman

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Dated: February 10, 2022

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CITIZENS UTILITY BOARD OF MICHIGAN,
a Michigan nonprofit corporation

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ASSOCIATION OF BUSINESSES ADVOCATING TARIFF
EQUITY

Dated: February 10, 2022

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Line No.	Service	Schedule	Average Customers	Sales (KWh)	Present Revenues (\$)	Proposed Revenues (\$)	Amount Inc(Dec) (\$)	Percent Inc(Dec) (%)
Residential and Farm								
1	Residential Service	MR-1	7,421	57,922,000	\$ 7,457,864	\$ 8,399,749	\$ 941,884	12.6%
2	Residential Time of Day Service	MR-2	134	1,285,000	\$ 150,410	\$ 168,302	\$ 17,892	11.9%
3	Automatic Outdoor Lighting	MOL-1	140	87,000	\$ 15,514	\$ 17,212	\$ 1,698	10.9%
4	Total Residential and Farm		7,695	59,294,000	\$ 7,623,788	\$ 8,585,263	\$ 961,474	12.6%
Small Commercial and Industrial								
5	Small Commercial TOD Service	MST-1	10	503,000	\$ 58,137	\$ 66,046	\$ 7,909	13.6%
6	Small Commercial Service	MSC-1	1,088	12,418,000	\$ 1,543,747	\$ 1,754,598	\$ 210,850	13.7%
7	Peak Controlled Service	MPC-2	1	189,000	\$ 18,665	\$ 20,071	\$ 1,406	7.5%
8	Commercial Industrial	MCI-1	130	20,855,000	\$ 2,337,879	\$ 2,540,781	\$ 202,902	8.7%
9	Automatic Outdoor Lighting	MOL-1	146	157,000	\$ 22,099	\$ 24,522	\$ 2,423	11.0%
10	Total Small Commercial and Industrial		1,375	34,122,000	\$ 3,980,528	\$ 4,406,018	\$ 425,490	10.7%
Large Commercial and Industrial								
11	Industrial General Service	MI-1	14	11,490,000	\$ 1,141,876	\$ 1,271,648	\$ 129,771	11.4%
12	Peak Controlled TOD Service - Sec	MPC-1	4	1,929,000	\$ 184,208	\$ 203,160	\$ 18,952	10.3%
13	Peak Controlled TOD Service - Tran	MPC-1	2	28,305,000	\$ 2,000,668	\$ 2,130,030	\$ 129,361	6.5%
14	Total Large Commercial and Industrial		20	41,724,000	\$ 3,326,752	\$ 3,604,837	\$ 278,085	8.4%
15	Total Commercial and Industrial		1,395	75,846,000	\$ 7,307,280	\$ 8,010,855	\$ 703,575	9.6%
Other Sales & Street Lighting								
16	Municipal Water Pumping	MPA-1	29	816,000	\$ 88,820	\$ 100,146	\$ 11,326	12.8%
17	Street Lighting-Company Owned	MSL-1	16	351,000	\$ 161,620	\$ 179,155	\$ 17,535	10.8%
18	Street Lighting-Customer Owned	MSL-1	16	29,000	\$ 2,857	\$ 3,174	\$ 317	11.1%
19	Renewable Connect	MRC	(Kwh not in total)	535,200	\$ 4,603	\$ 5,084	\$ 482	10.5%
20	Interdepartmental		6	21,000	\$ 2,484	\$ 2,837	\$ 352	14.2%
21	Total Michigan Retail Sales		9,157	136,357,000	\$ 15,191,452	\$ 16,886,513	\$ 1,695,061	11.2%
Other Operating Revenue								
22	Late Payment				\$ 30,950	\$ 34,416	\$ 3,466	11.2%
23	Connection Charges				\$ 14,285	\$ 14,285	\$ -	0.0%
24	Returned Check				\$ 1,328	\$ 1,328	\$ -	0.0%
25	Attachments				\$ 9,780	\$ 9,780	\$ -	0.0%
26	Other Rent				\$ 4,558	\$ 4,558	\$ -	0.0%
27	Sales Tax Handling				\$ 2,090	\$ 2,090	\$ -	0.0%
28	Miscellaneous				\$ 668	\$ 668	\$ -	0.0%
29	Total Other Operating Revenue				\$ 63,659	\$ 67,125	\$ 3,466	5.4%
30	Total Other Operating Revenue				\$ 15,255,111	\$ 16,953,638	\$ 1,698,527	11.13%

<u>Residential Service</u>	<u>MR-1</u>		
Customer Charge per Month	\$ 9.00	\$ 9.00	
Distribution Energy Charge per kWh	2.9700 ¢	4.1000 ¢	
Supply Service Energy Charge per kWh (SC1)	8.5100 ¢	9.1300 ¢	
RIA Credit		\$ (9.00)	
TCJA Credit	(0.0200) ¢	- ¢	
<u>Residential Time of Day Service</u>	<u>MR-2</u>		
Customer Charge per Month	\$ 9.00	\$ 9.00	
Distribution Energy Charge per kWh	2.9700 ¢	4.1000 ¢	
Supply Service Energy Charge per kWh			
On-Peak (SC3)	15.5000 ¢	15.9500 ¢	
Off-Peak (SC3)	3.8000 ¢	3.9900 ¢	
TCJA Credit	(0.0200) ¢	- ¢	
<u>Automatic Outdoor Lighting</u>	<u>MOL-1</u>		
175 Watt Mercury Vapor	\$ 11.00	\$ 12.20	
250 Watt Mercury Vapor	\$ 15.70	\$ 17.45	
100 Watt Sodium Vapor	\$ 8.20	\$ 9.10	
250 Watt Sodium Vapor	\$ 13.70	\$ 15.20	
400 Watt Sodium Vapor	\$ 19.90	\$ 22.10	
48 Watt LED	\$ 6.35	\$ 7.05	
60 Watt LED	\$ 7.45	\$ 8.25	
TCJA Credit	(0.0300) ¢	- ¢	
<u>Small Commercial Service</u>	<u>MSC-1</u>		
Customer Charge per Month			
Single Phase	\$ 11.50	\$ 11.50	
Three Phase	\$ 16.50	\$ 16.50	
Distribution Energy Charge per kWh	2.6300 ¢	3.9000 ¢	
Supply Service Energy Charge per kWh (SC2)	8.5100 ¢	8.9500 ¢	
TCJA Credit	(0.0200) ¢	- ¢	
<u>Athletic Field Rider</u>	<u>MA-1</u>		
Single Phase	\$ 10.50	\$ 10.50	
Three Phase	\$ 15.50	\$ 15.50	
<u>Small General Time-of-Day Service</u>	<u>MST-1</u>		
Customer Charge per Month			
Single Phase	\$ 11.50	\$ 11.50	
Three Phase	\$ 16.50	\$ 16.50	
Distribution Energy Charge per kWh	2.9700 ¢	3.9000 ¢	
Supply Service Energy Charge per kWh			
On-Peak (SC4)	15.5000 ¢	16.5500 ¢	
Off-Peak (SC4)	3.8000 ¢	4.2100 ¢	
TCJA Credit	(0.0200) ¢	- ¢	

<u>Service</u>		<u>Present</u>	<u>Proposed</u>
<u>Commercial Industrial</u>	MCI-1		
Customer Charge per Month		\$ 55.00	\$ 55.00
Distribution Energy Charge per kWh		2.2000 ¢	2.6700 ¢
Primary Voltage Energy Discount		20%	20%
Distribution Demand Charge per kW			
Secondary Voltage		\$ 1.50	\$ 1.75
Primary Voltage		\$ 1.20	\$ 1.40
Supply Energy Charge per kWh (SC5)			
Secondary Voltage		5.634 ¢	5.840 ¢
Primary Voltage Energy Discount		2%	2%
Supply Demand Charge per kW (SC5)			
Secondary Voltage		\$ 7.70	\$ 8.45
Primary Voltage Demand Discount		\$ 7.55	\$ 8.25
High Load Factor discount per kWh		(0.8000) ¢	(1.0000) ¢
Hours limitation		400 hrs.	400 hrs.
TCJA Credit		(0.0100) ¢	- ¢
<u>Experimental Load Control Rider</u>	MLC-1		
Monthly Credit per kW		\$ (4.00)	\$ (4.15)
<u>Industrial General Service</u>	MI-1		
Customer Charge per Month			
Mandatory		\$ 260.00	\$ 260.00
Optional		\$ 65.00	\$ 65.00
Distribution Energy Charge per kWh			
Secondary		2.0000 ¢	2.4400 ¢
Primary Voltage Discount		20.0%	20.0%
Trans. Transformed Voltage Discount		90.0%	90.0%
Trans. Untransformed Voltage Discount		100.0%	100.0%
Distribution Demand Charge per kW			
Secondary Voltage		\$ 1.50	\$ 1.75
Primary Voltage		\$ 1.20	\$ 1.40
Trans. Transformed Voltage		\$ 0.15	\$ 0.18
Trans. Untransformed Voltage		\$ -	\$ -
Supply Service Energy Charge per kWh (SC6)			
Secondary On-Peak		7.680 ¢	8.420 ¢
Secondary Off-Peak		4.770 ¢	5.160 ¢
Primary Voltage Energy Discount		2.0%	2.0%
Trans. Trans. Energy Discount		7.5%	9.5%
Trans. Untrans. Energy Discount		8.0%	10.0%
Supply Service Demand Charge per kW			
Secondary Voltage		\$ 7.70	\$ 8.45
Primary Voltage		\$ 7.55	\$ 8.28
Trans. Transformed Voltage		\$ 7.12	\$ 7.65
Trans. Untransformed Voltage		\$ 7.08	\$ 7.61
High Load Factor discount per kWh		(0.8000) ¢	(1.0000) ¢
Hours limitation		400 hrs.	400 hrs.
TCJA Credit		(0.0100) ¢	- ¢

<u>Service</u>		<u>Present</u>	<u>Proposed</u>
<u>Peak Controlled Time-of-Day Service</u>	MPC-1		
Customer Charge per Month			
Demands over 1000kW		\$ 260.00	\$ 260.00
Demands under 1000 kW		\$ 65.00	\$ 65.00
Distribution Energy Charge per kWh			
Secondary		2.0000 ¢	2.4400 ¢
Primary Voltage Discount		20.0%	20.0%
Trans. Transformed Voltage Discount		90.0%	90.0%
Trans. Untransformed Voltage Discount		100.0%	100.0%
Distribution Demand Charge per kW			
Secondary Voltage		\$ 1.50	\$ 1.75
Primary Voltage		\$ 1.20	\$ 1.40
Trans. Transformed Voltage		\$ 0.15	\$ 0.18
Trans. Untransformed Voltage		\$ -	\$ -
Supply Service Energy Charge per kWh (SC9)			
On-Peak		7.6800 ¢	8.4200 ¢
Off-Peak		4.7700 ¢	5.1600 ¢
Primary Voltage Energy Discount		2.0%	2.0%
Trans. Trans. Energy Discount		7.5%	9.5%
Trans. Untrans. Energy Discount		8.0%	10.0%
Supply Service Onpeak Firm Demand Charge per kW (SC9)			
Secondary Voltage		\$ 7.70	\$ 8.45
Primary Voltage		\$ 7.55	\$ 8.28
Trans. Transformed Voltage		\$ 7.12	\$ 7.65
Trans. Untransformed Voltage		\$ 7.08	\$ 7.61
Supply Service Onpeak Controlled Demand Charge per kW (SC9)			
Secondary Voltage		\$ 4.30	\$ 4.30
Primary Voltage		\$ 4.21	\$ 4.21
Trans. Transformed Voltage		\$ 3.87	\$ 3.89
Trans. Untransformed Voltage		\$ 3.85	\$ 3.87
High Load Factor discount per kWh		(0.8000) ¢	(1.0000) ¢
Hours limitation		400 hrs.	400 hrs.
TCJA Credit		(0.0100) ¢	- ¢

<u>Service</u>		<u>Present</u>	<u>Proposed</u>
<u>Peak Controlled General Service</u>	MPC-2		
Customer Charge per Month		\$ 55.00	\$ 55.00
Distribution Energy Charge per kWh		2.2000 ¢	2.6700 ¢
Primary Voltage Energy Discount		20%	20%
Distribution Demand Charge per kW			
Secondary Voltage		\$ 1.50	\$ 1.75
Primary Voltage		\$ 1.20	\$ 1.40
Supply Energy Charge per kWh (SC10)			
Secondary Voltage		5.6340 ¢	5.8400 ¢
Primary Voltage Energy Discount		2%	2%
Supply Service Firm Demand Charge per kW (SC10)			
Secondary Voltage		\$ 7.70	\$ 8.45
Primary Voltage		\$ 7.55	\$ 8.28
Supply Service Controlled Demand Charge per kW (SC10)			
Secondary Voltage		\$ 3.15	\$ 3.15
Primary Voltage		\$ 3.09	\$ 3.09
High Load Factor discount per kWh		(0.8000) ¢	(1.0000) ¢
Hours limitation		400 hrs.	400 hrs.
TCJA Credit		\$ (0.0100) ¢	\$ - ¢
<u>Optional Off-Peak Service</u>	MOP-1		
Customer Charge per Month			
single phase		\$ 5.00	\$ 5.00
three phase		\$ 11.00	\$ 11.00
Distribution Energy Charge per kWh		2.2000 ¢	2.6700 ¢
Primary Voltage Energy Discount		20%	20%
Supply Service Energy Charge per kWh (SC7)		3.8000 ¢	3.9900 ¢
Primary Voltage Energy Discount		2%	2%
Supply Service non-authorized (on-peak)			
Energy Charge per kWh (SC7)		20.0000 ¢	20.0000 ¢
TCJA Credit		\$ (0.0200) ¢	\$ - ¢
<u>Municipal Water Pumping</u>	MPA-1		
Customer Charge per Month			
Single Phase		\$ 11.50	\$ 11.50
Three Phase		\$ 16.50	\$ 16.50
Distribution Energy Charge per kWh		2.4500 ¢	3.4000 ¢
Supply Service Energy Charge per kWh (SC8)		7.8000 ¢	8.2500 ¢
TCJA Credit		(0.0200) ¢	- ¢

<u>Service</u>		<u>Present</u>	<u>Proposed</u>
<u>Street Lighting</u>	MSL-1		
Company Owned			
250 Watt Mercury Vapor		Cancelled	Cancelled
400 Watt Mercury Vapor		Cancelled	Cancelled
70 Watt Sodium Vapor		\$ 9.65	\$ 10.70
100 Watt Sodium Vapor		\$ 10.85	\$ 12.05
150 Watt Sodium Vapor		\$ 12.60	\$ 14.00
250 Watt Sodium Vapor		\$ 16.35	\$ 18.20
400 Watt Sodium Vapor		\$ 21.80	\$ 24.20
39 Watt LED		\$ 8.80	\$ 9.75
65 Watt LED		\$ 9.90	\$ 11.00
155 Watt LED		\$ 13.20	\$ 14.65
256 Watt LED		\$ 18.25	\$ 20.30
TCJA Credit		\$ (0.0300) ¢	\$ - ¢
Customer Owned-Energy & Maintenance			
250 Watt Mercury Vapor		Cancelled	Cancelled
400 Watt Mercury Vapor		Cancelled	Cancelled
70 Watt Sodium Vapor		\$ 3.90	\$ 4.30
100 Watt Sodium Vapor		\$ 5.05	\$ 5.60
150 Watt Sodium Vapor		\$ 6.45	\$ 7.15
250 Watt Sodium Vapor		\$ 10.35	\$ 11.50
400 Watt Sodium Vapor		\$ 15.05	\$ 16.70
TCJA Credit		(0.0300) ¢	- ¢
	MSL-2		
Non-Metered LED Street lighting			
Dusk to dawn lighting per watt of unit rating		2.6400 ¢	3.1200 ¢
24 hour lighting per watt of unit rating		8.0400 ¢	9.0500 ¢
TCJA Credit		(0.0300) ¢	- ¢
<u>Renewable Connect®</u> (rate per 100 kWh)	MRC	\$ 0.86	\$ 0.95

Michigan Public Service Commission
Northern States Power Company, a Wisconsin Corporation
2022 Settlement Tariff Sheets Index

Sheet No.	Title/Description	Revision	Update Description
SECTION A			
A-5.0	Index	3	Add Sheet No. D-52.0
A-7.0	Table of Contents - Checklist	61	Superficial changes, Not Included
A-8.0	Table of Contents - Checklist	5	Superficial changes, Not Included
A-9.0	Table of Contents - Checklist	52	Superficial changes, Not Included
A-10.0	Table of Contents - Checklist	5	Superficial changes, Not Included
SECTION D			
D-1.0	Power Supply Cost Recovery Factor	4	Update PSCR Base Cost
D-2.0	Power Supply Cost Recovery Factors	170	Update PSCR Base Cost
D-3.3	Tax Cuts and Jobs Act ("TCJA") Credits	5	Cancels
D-4.0	Residential Service MR-1	10	Change rates, RIA added
D-4.1	Residential Service MR-1 Contd.	Original	Formatting
D-5.0	Residential Time-of-Day Service MR-2	10	Change rates.
D-7.0	Automatic Outdoor Lighting Service MOL-1	9	Change rates.
D-9.0	Small Commercial Service MSC-1	8	Change rates.
D-11.0	Small Commercial Time-of-Day Service MST-1	8	Change rates.
D-13.0	Commercial Industrial General Service MCI-1	8	Change rates.
D-14.0	Commercial Industrial General Service MCI-1	10	Change rates.
D-16.0	Experimental Load Control Rider MLC-1	2	Change rates.
D-20.0	Large Industrial Service MI-1	9	Change rates.
D-21.0	Large Industrial Service MI-1	7	Change rates.
D-24.0	Peak Controlled Time-of-Day Service MPC-1	9	Change rates.
D-24.1	Peak Controlled Time-of-Day Service MPC-1	6	Change rates.
D-27.0	Peak Controlled Time-of-Day Service MPC-1	1	Testing Requirements added
D-28.0	Peak Controlled Time-of-Day Service MPC-1	1	Formatting
D-28.1	Peak Controlled Time-of-Day Service MPC-1	Original	Formatting
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D-31.0	Peak Controlled Time-of-Day Service MPC-2	7	Change rates.
D-33.0	Peak Controlled Time-of-Day Service MPC-2	2	Testing Requirements added
D-34.0	Peak Controlled Time-of-Day Service MPC-2	2	Formatting
D-34.1	Peak Controlled Time-of-Day Service MPC-2	Original	Formatting
D-36.0	Street Lighting MSL-1	12	Change rates.
D-37.1	Street Lighting (LED) MSL-2	6	Change rates.
D-38.0	Optional Off-peak service MOP-1	10	Change rates.
D-39.0	Municipal Pumping MPA-1	8	Change rates.
D-40.5	WindsorSource [®]	3	Cancels
D-40.6	Renewable Connect [®]	1	Change rates.
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D-42.0	Net Metering Program (Cont'd) Generators 20 kW and Less Pg-1	2	Superficial changes
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D-52.5	Distributed Generation Program DG-1 (Cont'd)	Original	New

M. P. S. C. No. 2 – Electric
NORTHERN STATES POWER COMPANY,
a Wisconsin corporation
(Case No. U-21097)

3rd Revised
Cancels 2nd Revised

Sheet No. A-5.0
Sheet No. A-5.0

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(Continued from Sheet No. A-4.0)

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(Continued on Sheet A-6.0)

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a Wisconsin corporation

(Case No. U-21097)

4th revised

3rd revised

Sheet No. D-1.0

Sheet No. D-1.0

SECTION D
RATE SCHEDULES
POWER SUPPLY COST RECOVERY FACTOR

A) The power supply cost recovery factor for the period covered by the power supply cost recovery plan shall consist of an increase or decrease of .010777 mill per kWh for each full .01 mill increase or decrease in the projected average booked cost of fuel burned for electric generation and purchased and net interchanged power incurred above or below a cost base of 50.600 mills per kWh. The projected average booked cost of fuel burned shall include transportation costs, reclamation costs, and disposal and reprocessing costs. Average booked cost of fuel burned and purchased and net interchanged power shall be equal to the relevant periods' booked costs divided by the relevant periods' net system kWh requirements. Net system kWh requirements shall be the sum of the net kWh generation and the net kWh purchased and interchanged power.

B) All rates for electric service shall include an amount up to the Power Supply Cost Recovery Factor (PSCR factor) for the specified billing period as set forth on Sheet No. D-2.0. The PSCR factor for a given month is an estimate of the average power supply cost, per kWh, for that year.

An amount not exceeding the PSCR factor for each month shall be placed into effect in the first billing cycle of that monthly billing period and shall continue in effect until the first billing cycle of a subsequent month for which a subsequent PSCR factor becomes operative.

Should the Company apply lesser factors than those on Sheet No. D-2.0, or, if the factors are later revised pursuant to Commission Orders or 1982 PA 304, the Company will notify the Commission and file a revision of Sheet No. D-2.0.

C) Not more than 45 days following the last day of each billing month in which a power supply cost recovery factor has been applied to customer's bills, the Company shall file with the Commission a detailed statement for that month of the revenues recorded pursuant to the power supply cost recovery factor and the allowance for cost of power included in the base rates established in the latest Commission order for the Company, and the cost of power supply.

All revenues collected pursuant to the power supply cost recovery factors and the allowance for power included in the base rates are subject to annual reconciliation proceedings, as set forth in 1982 PA 304.

(Continued on Sheet No. D-2.0)

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(Case No. U-21097)

170th Revision
Cancels 169th Revision

Sheet No. D-2.0
Sheet No. D-2.0

(Continued from Sheet No. D-1.0)

POWER SUPPLY COST RECOVERY FACTORS

Northern States Power Company - Wisconsin's Power Supply Cost Recovery (PSCR) Monthly Factor for the 2022 Plan Year, is as follows:

<u>Year</u>	<u>Month</u>	<u>Maximum Authorized Factor (per kWh)</u>	<u>Actual Factor Billed (per kWh)</u>
2022	January	\$0.00161	\$0.00161
2022	February	\$0.00161	\$0.00161
2022	March	\$0.00161	\$0.00161
2022	April	<i>\$0.00129</i>	<i>\$0.00129</i>
2022	May	<i>\$0.00129</i>	
2022	June	<i>\$0.00129</i>	
2022	July	<i>\$0.00129</i>	
2022	August	<i>\$0.00129</i>	
2022	September	<i>\$0.00129</i>	
2022	October	<i>\$0.00129</i>	
2022	November	<i>\$0.00129</i>	
2022	December	<i>\$0.00129</i>	

(Continued on Sheet No. D-3.0)

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for the 2022 plan year.

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(Case No. U-21097)

Cancels

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Sheet No. D-3.3

Sheet No. D-3.3

Reserved for future use

(Continued on Sheet No. D-4.0)

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(Case No. U-21097)

10th Revised
9th Revised
Cancels

Sheet No. D-4.0
Sheet No. D-4.0

RESIDENTIAL SERVICE MR-1

Applicable to: All areas served.

Availability: This service is available to all residential Customers for all domestic use. This service is not available to serve unattached, non-domestic dwellings which are metered separately.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Monthly Rates:

Customer Charge with Standard Meter: \$ 9.00 per Customer per month
(Normal Metering Configuration)

Customer Charge with Interval Demand Meter: \$ 10.25 per Customer per month
(CSS-1 Metering For Large Customers *)

Distribution Delivery Charge: 4.10¢ per kWh
This rate is subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Electric Supply Service Options:

For System Supply Service,

SC1. Supply Energy Charge 9.13 ¢ per kWh (see Schedule SSS-1)

Power Supply Cost Recovery Factor – Subject to the PSCR factor (See Sheet No. D-1.0)

For Customer Supply Service, see Schedule CSS-1

Minimum Net Monthly Charge: The Customer Charge unless otherwise provided by contract.

Income Assistance Service Provision (RIA):

When service is provided to a Residential Customer, where total household income does not exceed 150% of the Federal Poverty level, a credit shall be applied during all billing months. The total household income is verified when the customer has provided proof that they have received, or are currently participating in, one of the following in the past 12 months:

1. A Home Heating Credit energy draft
2. State Emergency Relief
3. Assistance from a Michigan Energy Assistance Program (MEAP)
4. Medicaid
5. Supplemental Nutrition Assistance Program (SNAP)

If a customer does not meet any of the above requirements, a low-income verification form will be provided by the Company for the customer to complete and return.

The Company reserves the right to verify eligibility. This provision is not available for alternate or seasonal homes. The customer must re-certify annually.

The monthly credit for the Income Assistance Service Provision (RIA) shall be applied as follows:

Distribution Charges: These charges are applicable to Full-Service Customers.

Income Assistance Credit: \$(9.00) per customer per month

If a credit balance occurs, the credit shall apply to the customer's future electric utility charges.

(Continued on Sheet No. D 4.1)

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(Case No. U-21097)

Cancels

1st Original

Sheet No. D-4.1
Sheet No.

RESIDENTIAL SERVICE MR-1

(Continued from Sheet No. D-4.00)

* Metering and Telephone Connection Requirements: Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section E2.5-Metering and Load Profiling, Sheet No. E-14.0.

Customer Switching Service Charge: A Customer may switch Electric Suppliers, subject to a switching fee as specified according to the Retail Access Service Tariff RAS-1, Section E2.4-Customer Enrollment and Switching, Sheet No. E-12.0.

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. The late payment charge shall not apply to Customers participating in the Winter Protection Plan described in U-4240. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Rate Code:

C01 MR-1 with SSS-1 C71 MR-1 with CSS-1

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NORTHERN STATES POWER COMPANY,
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(Case No. U-21097)

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Cancels

Sheet No. D-5.0
Sheet No. D-5.0

RESIDENTIAL TIME-OF-DAY SERVICE MR-2

Applicable to: All areas served.

Availability: This rate is available on an optional basis for residential use only for lighting, residential appliances, heating, cooking and domestic power furnished through one meter for a period of one year or more. Availability is at the discretion of the Company and is subject to the ability of the Company to obtain and install the required metering equipment. The Company agrees to keep this schedule available to Customer for a minimum of 5 years. Upon expiration of a full year on this rate schedule Customer may, at Customer's option, transfer to the Residential Service (MR-1).

Any customer choosing to be served on this rate schedule waives all rights to any billing adjustments arising from a claim that the bill for the customer's service would be cheaper on any alternative rate schedule for any period of time.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Monthly Rates:

Customer Charge with Time of Day Recording Meter: \$ 9.00 per Customer per month
(Normal Metering Configuration)

Customer Charge with Interval Demand Meter: \$ 10.25 per Customer per month
(CSS-1 Metering For Large Customers *)

Distribution Energy Charge: 4.10¢ per kWh
This rate is subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Electric Supply Service Options:

For System Supply Service,

SC3. Supply Energy Charges

On-peak Supply Energy Charge 15.95 ¢ per kWh (see Schedule SSS-1)

Off-peak Supply Energy Charge 3.99 ¢ per kWh (see Schedule SSS-1)

Power Supply Cost Recovery Factor – Subject to the PSRC factor (See Sheet No. D-1.0)

For Customer Supply Service, see Schedule CSS-1

(Continued on Sheet No. D-6.0)

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(Case No. U-21097)

9th Revised
8th Revised

Sheet No. D-7.0
Sheet No. D-7.0

AUTOMATIC OUTDOOR LIGHTING SERVICE MOL-1

Applicable to: All areas where Company supplies standard secondary service voltages.

Availability: Available to any residential, commercial or industrial customer for automatic lighting of private outdoor areas, when customer accepts the terms and conditions of service set forth below. A signed application is necessary as a condition of service under this schedule.

Rate:

Type	Nominal Lamp Rating		Net Rate per Lamp per Month		LED
	Wattage	Lumens	*Mercury Vapor	**HP Sodium Vapor	
01	175	7,500	\$12.20		
02	250	12,100	\$17.45		
03	100	9,500		\$ 9.10	
04	250	27,500		\$15.20	
05	400	50,000		\$22.10	
06	48	4,800	(175 MV equivalent)	(100 HPSV equivalent)	\$7.05
07	60	6,900	(250 MV equivalent)	(150 HPSV equivalent)	\$8.25

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

* Closed: No additional units will be installed nor existing units moved after February 7, 1989.

** Closed: No additional units will be installed nor existing units moved after November 1, 2018.

General Service Conditions:

1. Company will install, own, operate and provide only routine maintenance to the lighting unit including the fixture, lamp, ballast, photo-electric control, mounting brackets and all necessary wiring. The cost of repairs for damage to the lighting installation caused by vandalism will be the customer's financial responsibility. Company will furnish all electric energy required for operation of unit.
2. The hours of burning shall be every night approximately one-half hour after sunset until one-half hour before sunrise the following morning.
3. If the operation of a lamp is interrupted and illumination is not resumed within seventy-two hours from the time the Company is notified by the customer, 1/30 of the net monthly charge per unit shall be deducted for each night the unit is inoperative.
4. Agreement shall continue in full force and effect for a period of three years from the date of connection, and shall be extended on a monthly basis automatically thereafter, unless terminated by a notice of cancellation from the customer to the Company.

(Continued on Sheet No. D-8.0)

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M. P. S. C. No. 2 – Electric

NORTHERN STATES POWER COMPANY,
a Wisconsin corporation
(Case No. U-21097)

8th Revised

7th Revised

Sheet No. D-9.0

Sheet No. D-9.0

SMALL COMMERCIAL SERVICE MSC-1

Applicable: All areas served.

Availability: Available to any general service Customer for single- or three-phase electric service supplied through one meter where Customer's demands are not measured.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Monthly Rate:

Customer Charge with Energy-Only Meter:

(Normal Metering Configuration)

Single Phase \$ 11.50 per Customer per month

Three Phase \$ 16.50 per Customer per month

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Customer Charge with Interval Demand Meter:

(CSS-1 Metering For Large Customers *)

Single Phase \$ 13.25 per Customer per month

Three Phase \$ 18.25 per Customer per month

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Distribution Delivery Charge:

3.90 ¢ per kWh

Electric Supply Service Options:

For System Supply Service ,

SC2. Supply Energy Charge 8.95 ¢ per kWh (see Schedule SSS-1)

Power Supply Cost Recovery Factor – Subject to the PSCR factor (See Sheet No. D-1.0)

For Customer Supply Service, see Schedule CSS-1

Minimum Net Monthly Charge: The Customer Charge plus Energy Waste Reduction Surcharge unless otherwise provided by contract.

* Metering and Telephone Connection Requirements: Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section E2.5-Metering and Load Profiling, Sheet No. E-14.0.

(Continued on Sheet No. D-10.0)

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NORTHERN STATES POWER COMPANY, Cancels
a Wisconsin corporation
(Case No. U-21097)

8th Revised

7th Revised

Sheet No. D-11.0

Sheet No. D-11.0

SMALL GENERAL TIME-OF-DAY SERVICE MST-1

Applicable: All areas served.

Availability: Available on an optional basis to any general service Customer for single- or three-phase electric service supplied through one meter where Customer's demands are not measured.* Availability is at the discretion of Company and is subject to the ability of Company to obtain and install the required metering equipment. The Company agrees to keep this schedule or a similar schedule available to customer for a minimum of 5 years. If customer moves, both original and new customer have the option to retain time-of-day billing or to transfer to Small General Service rate schedule MSC-1.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Monthly Rate:

Customer Charge with Time of Day Recording Meter:

(Normal Metering Configuration)

Single Phase \$11.50 per Customer per month

Three Phase \$16.50 per Customer per month

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Customer Charge with Interval Demand Meter:

(CSS-1 Metering For Large Customers **)

Single Phase \$ 13.25 per Customer per month

Three Phase \$ 18.25 per Customer per month

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Distribution Energy Charge:

3.90 ¢ per kWh

Electric Supply Service Options:

For System Supply Service,

SC4. Supply Energy Charge

On-peak Supply Energy Charge 16.55 ¢ per kWh (see Schedule SSS-1)

Off-peak Supply Energy Charge 4.21 ¢ per kWh (see Schedule SSS-1)

Power Supply Cost Recovery Factor – Subject to the PSCR factor (See Sheet No. D-1.0)

For Customer Supply Service, see Schedule CSS-1

Minimum Net Monthly Charge: The Customer Charge plus Energy Waste Reduction Surcharge unless otherwise provided by contract.

(Continued on Sheet No. D-12.0)

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M. P. S. C. No. 2 – Electric

NORTHERN STATES POWER COMPANY,
a Wisconsin corporation
(Case No. U-21097)

8th Revised
Cancels 7th Revised

Sheet No. D-13.0
Sheet No. D-13.0

COMMERCIAL INDUSTRIAL GENERAL SERVICE MCI-1

Applicable: All areas served.

Availability: Available to any general service Customer for single- or three-phase electric service supplied through one meter where Customer's demands are measured and where Customer is not required to be on Service Schedule MI-1. * For new Customers, Company may, at its own discretion, serve Customer on schedule MSC-1 and delay determination of the Customer's demand until annual review of the first 12 months of service.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Kind of Service: Alternating current at the following nominal voltages:

- (a) for Secondary Voltage Service--three-wire single-phase and three- or four-wire three-phase at 208 volts or higher;
- (b) for Primary Voltage Service--three-phase at 2400 volts or higher. Service voltage available in any given case is dependent upon voltage and capacity of existing Company lines in vicinity of Customer's premises.

Monthly Rate:

Customer Charge with Demand Meter: \$ 55.00 per Customer per month
(Normal Metering Configuration)

This rate is subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Customer Charge with Interval Demand Metering: \$ 65.00 per month
(CSS-1 Metering For Large Customers **)

This rate is subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Distribution Demand Charge:

Secondary Voltage	\$ 1.75 per kW/mo.
Primary Voltage	\$ 1.40 per kW/mo.

Distribution Energy Charge:

Secondary Voltage	2.67 ¢ per kWh.
Primary Voltage Discount	20.0 %

System Power Factor Demand Charge:

Secondary Voltage	\$ 8.45 per kW/mo.
Primary Voltage	\$ 8.25 per kW/mo.

(Continued on Sheet No. D-14.0)

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Sheet No. D-14.0

Sheet No. D-14.0

(Continued from Sheet No. D-13.0)

COMMERCIAL INDUSTRIAL GENERAL SERVICE MCI-1 (Contd)

Electric Supply Service Options:

For System Supply Service,

SC5. Supply Charges – (see Schedule SSS-1)

Supply Energy Charge

5.840 ¢ per kWh

Energy Charge Voltage discount

2 %

Supply Demand Charge Secondary Voltage

\$8.45 per kW

Supply Demand Charge Primary Voltage

\$8.25 per kW

High load factor discount - All kWh in excess of 400 hours times the billing demand,

Not to exceed 50% of total kWh

1.000 ¢ per kWh

Power Supply Cost Recovery Factor – Subject to the PSCR factor (See Sheet No. D-1.0)

For Customer Supply Service, see Schedule CSS-1

Minimum Net Monthly Charge: The Customer Charge plus Energy Waste Reduction Surcharge unless otherwise provided by contract.

Customer Switching Service Charge: A Customer may switch Electric Suppliers, subject to a switching fee as specified according to the Retail Access Service Tariff RAS-1, Section E2.4-Customer Enrollment and Switching, Sheet No. E-12.0.

*Demand Meter Installation:

Company will install a demand meter to measure the average kilowatts required during the 15-minute period of maximum use, rounded to the nearest whole kilowatt and such demands will be used for Billing Demands when:

1. Customer is served single-phase and has a service entrance capacity greater than 200 amperes; or
2. Customer is served three-phase at 120/208 or 120/240 volts and has a service entrance capacity greater than 200 amperes; or
3. Customer is served three-phase at 240/480 or 277/480 volts, and has a service entrance capacity greater than 100 amperes. (Customers with service entrance capacity of 100 amperes or less may, at their option, have a demand meter installed); or
4. Customer is served at a primary voltage level.

(Continued on Sheet No. D-15.0)

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Sheet No. D-16.0

Sheet No. D-16.0

EXPERIMENTAL LOAD CONTROL RIDER MLC-1

Applicable: All areas served.

Availability: Available on an optional basis to any single- or three-phase, commercial, industrial, or agricultural customer, who receives service according to Schedule SSS-1. Customer shall allow Company to control all or part of their load during interruption periods. Agricultural customers are limited to controlling non-residential use equipment only. This rate will be available on an experimental basis. The impacts and effectiveness of the rate will be evaluated and a decision will be made to either eliminate, modify, or continue the rate. Any such decision will be subject to approval by the Michigan Public Service Commission (MPSC).

Rate: Monthly credit of \$4.15 per kW of controlled load.

Terms and Conditions:

1. Load management service and credits availability are at the discretion of Company and are subject to control system coverage in the area and the ability of Company to obtain and install the required load management equipment. If the customer's load is outside the capacity of Company's equipment, customer will be responsible for any additional equipment necessary to take service under this rate.
2. Credits will apply to prequalified kW load controlled by Company. Company will determine the prequalified kW load by equipment specifications or metering the controlled load.
3. Customer will allow Company the use of existing telephone facilities at no cost to Company, when said facilities are required for monitoring by Company. Customer will not be responsible for any additional costs associated with the monitoring. Company monitoring will be done on a random basis for load research purposes only.
4. Load controlled by Company must provide adequate load reduction (operating at the time of interruption), as determined by Company, during the months of June, July, August and September. If a customer is not allowed on this rate due to inadequate load reduction, the customer may apply to the MPSC for a review of that determination.
5. The duration and frequency of interruptions shall be controlled by Company. Interruption will normally be based on meeting peak demands and system economic dispatch requirements of Company. However, interruption may also occur at times when, in Company's opinion, the reliability of the system is endangered.
6. Managed air conditioner load will normally be cycled off for no more than 15 minutes in any 30-minute portion of a load management period.

(Continued on Sheet No. D-17.0)

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Sheet No. D-20.0

Sheet No. D-20.0

(Continued from Sheet No. D-19.0)

LARGE INDUSTRIAL SERVICE MI-1 (Cont'd)

Monthly Rate:

Customer Charge with Demand Meter:

(Normal Metering Configuration)

Mandatory Customers \$ 260.00 per Customer per month

Optional Customers \$ 65.00 per Customer per month

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Customer Charge with Interval Demand Meter:

(CSS-1 Metering For Large Customers **)

Mandatory Customers \$ 280.00 per Customer per month

Optional Customers \$ 85.00 per Customer per month

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Distribution Demand Charge:

Secondary \$ 1.75 per kW/mo.

Primary \$ 1.40 per kW/mo.

Transmission Transformed \$ 0.18 per kW/mo.

Transmission Untransformed \$ 0.00 per kW/mo.

Distribution Delivery Charge:

Secondary 2.44 ¢ per kWh.

Primary Voltage Discount 20.0 %

Transmission Transformed Voltage Discount 90.0 %

Transmission Untransformed Voltage Discount 100.0 %

Electric Supply Service Options:

for System Supply Service,

SC6. Supply Charges

see Schedule SSS-1,

On-Peak Demand Charge:

- Secondary \$ 8.45 per kW/mo.

- Primary \$ 8.28 per kW/mo.

- Transmission Transformed \$ 7.65 per kW/mo.

- Transmission Untransformed \$ 7.61 per kW/mo.

Energy Charge:

- On-Peak-Secondary 8.42 ¢ per kWh

- Off-Peak-Secondary 5.16 ¢ per kWh

Energy Charge Discount (before adjustment for Power Supply Cost Recovery)

- Primary 2.0 %

- Transmission Transformed 9.5 %

- Transmission Untransformed 10.0 %

Energy Charge Credit per Month:

All kWh in Excess of 400 Hours times the On-Peak Period Billing Demand, not to

Exceed 50 Percent of Total kWh 1.00 ¢ per kWh

(Continued on Sheet No. D-21.0)

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Sheet No. D-21.0
Sheet No. D-21.0

(Continued from Sheet No. D-20.0)

LARGE INDUSTRIAL SERVICE MI-1 (Contd)

Monthly Rate (Contd):

System Power Factor Demand Charge:

Secondary	\$ 8.45 per kW/mo.
Primary	\$ 8.28 per kW/mo.
Transmission Transformed	\$ 7.65 per kW/mo.
Transmission Untransformed	\$ 7.61 per kW/mo.

Power Supply Cost Recovery Factor – Subject to the PSCR factor (See Sheet No. D-1.0)

For Customer Supply Service, see Schedule CSS-1

**** Metering and Telephone Connection Requirements:** Interval Demand Metering is mandatory for Customers who choose an AES, who are served under schedule CSS-1 and who have a Maximum Demand in excess of 25 kW. Further terms and conditions for metering and telephone connections are specified in the Retail Access Service Tariff RAS-1, Section E2.5-Metering and Load Profiling, Sheet No. E-14.0.

Measured Demand: The Company will install a demand meter to record the Measured Demand. The Measured Demand shall be the average kilowatts, rounded to the nearest whole kilowatt, required during the 15-minute period of maximum use. The customer shall take and use power in such manner that power factor shall be as near 100% as possible. In no event shall customer take power in such manner as to cause leading reactive kilovolt-amperes during the off-peak period.

The Average Lagging Power Factor is defined to be the quotient obtained by dividing the kilowatt-hours used during the month by the square root of the sum of the squares of the kilowatt-hours used and the lagging reactive kilovolt-ampere-hours supplied during the same period. Any leading kilovolt-ampere hours supplied during the same period will not be considered in determining the average power factor.

System Power Factor Adjustment: Should the Average Lagging Power Factor during the month be determined to be below 90%, the System Power Factor Adjustment shall be equal to the sum of minus one (-1) plus the ratio of 90% divided by The Average Lagging Power Factor. If the Average Lagging Power Factor during the month is 90 % or above, the System Power Factor adjustment is equal to zero (0). The System Power Factor Adjustment is applied when customer's measured demand is greater than 100 kW for 4 of 12 consecutive billing months. The System Power Factor Adjustment is not applied if the measured demand remains below 100 kW for 12 consecutive months.

(Continued on Sheet No. D-22.0)

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Sheet No. D-24.0

Sheet No. D-24.0

(Continued from Sheet No. D-23.0)

PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1 (Contd)

Monthly Rate:

Customer Charge per Month with Interval Demand Meter:

Demands in Excess of 1000 kW for 4 of 12 Months \$ 260.00

Demands of 1000 kW or Less for 9 of 12 Months \$ 65.00

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Distribution Demand Charge:

Charge per kW per Month

Secondary \$ 1.75

Primary \$ 1.40

Transmission Transformed \$ 0.18

Transmission Untransformed \$ 0.00

Distribution Energy Charge:

Charge per kWh per Month

Secondary 2.44 ¢ per kWh

Primary Voltage Discount 20.0 %

Transmission Transformed Voltage Discount 90.0 %

Transmission Untransformed Voltage Discount 100.0 %

Electric Supply Service Options:

for System Supply Service, (see Schedule SSS-1)

SC9. Supply Charges

On-Peak Firm Demand Charge:

- Secondary \$ 8.45 per kW/mo.

- Primary \$ 8.28 per kW/mo.

- Transmission Transformed \$ 7.65 per kW/mo.

- Transmission Untransformed \$ 7.61 per kW/mo.

On-Peak Controlled Demand Charge:

- Secondary \$ 4.30 per kW/mo.

- Primary \$ 4.21 per kW/mo.

- Transmission Transformed \$ 3.89 per kW/mo.

- Transmission Untransformed \$ 3.87 per kW/mo.

Energy Charge:

- On-Peak-Secondary 8.420¢ per kWh

- Off-Peak-Secondary 5.160¢ per kWh

Energy Charge Discount (before adjustment for Power Supply Cost Recovery)

- Primary 2.0 %

- Transmission Transformed 9.5 %

- Transmission Untransformed 10.0 %

(Continued on Sheet No. D-24.1)

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Sheet No. D-24.1
Sheet No. D-24.1

(Continued From Sheet D-24.0)

PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1 (Contd)

Monthly Rate (Contd):

Electric Supply Service (Contd):

SC9. Supply Charges (Contd)

Energy Charge Credit per Month:

All kWh in Excess of 400 Hours times the On-Peak Period Billing Demand, not to
Exceed 50 Percent of Total kWh *1.00¢ per kWh*

On-Peak System Power Factor Demand Charge:

Secondary	\$ 8.45 per kW/mo.
Primary	\$ 8.28 per kW/mo.
Transmission Transformed	\$ 7.65 per kW/mo.
Transmission Untransformed	\$ 7.61 per kW/mo.

Power Supply Cost Recovery Factor – Subject to the PSCR factor (see Sheet No. D-1.0)

For Customer Supply Service, see Schedule CSS-1

Minimum Monthly Charge: The minimum charge shall be the Customer Charge plus Energy Waste Reduction Surcharge plus the Distribution Demand Charge.

Definition of Peak Periods: Unless specified to the contrary in writing by the Company to any customer using this schedule and refiling this rate sheet not later than November 1 of each year, on-peak hours shall be from 9:00 a.m. to 9:00 p.m. Monday through Friday, inclusive (excluding holidays), for the 12 months beginning with the first full billing period following December 15.

The holidays designated shall be New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and Christmas, on the day nationally designated to be celebrated as such. When a designated holiday occurs on Saturday, the preceding Friday will be considered an off-peak day. When a designated holiday occurs on Sunday, the following Monday will be considered an off-peak day. Off-peak hours are times not specified as on-peak hours.

(Continued on Sheet No. D-25.0)

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Sheet No. D-27.0

Sheet No. D-27.0

(Continued from Sheet No. D-26.0)

PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1 (Contd)

Terms and Conditions of Service:

1. Customer has the option of controlling his own load to predetermined demand level or allowing company to control load to predetermined demand level. If customer chooses to allow company to control load, customer must:
 - a. Provide a load-break switch or circuit breaker equipped with an electric trip and close circuit allowing for remote operation of customer's switch or circuit breaker by company, and wire the switch or circuit breaker into a connection point designated by company. The electric trip and close circuit must have electrical requirements compatible with remote control equipment provided by company;
 - b. Install the remote control equipment provided by company;
 - c. Provide a continuous 120 volt AC power source at the connection point for operation of the company remote control equipment;
 - d. Allow company to inspect and approve the remote control installation and equipment provided by customer;
 - e. Allow company to revise type of control system.If customer chooses to control his own load, customer is exempt from provision a, but is responsible for provisions b, c, d and e.
2. Company will endeavor to give customer one hour's notice of an impending control period. However, service may be controlled without advance notice should company deem such action necessary.
3. Service interruption under this rate schedule shall be at the discretion of company. The frequency of interruption will normally occur between 6 and 12 days in a calendar year, occurring at such time when company expects to incur a new system peak, or for area protection, and at such other times when, in the company's opinion, the reliability of the system is endangered. The duration of interruption will vary from 2 hours to about 12 hours. Total hours of interruption will not exceed 80 hours per calendar year, excluding interruptions due to physical causes other than intentional curtailment by the company.
4. **Annual Power Test Requirement:** *Under this provision, the customer shall provide a documented controlled load reduction plan. The controlled load reduction plan shall serve as the representation of the customer's annual simulated power test in compliance with the Commission Order issued October 29, 2020 in Case No. U-20628. Customers on this rate are excluded from real power testing. Any changes to the customer's contracted capacity under this provision must be supported by an updated controlled load reduction plan on an annual basis.*

(Continued on Sheet No. D-28.0)

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Sheet No. D-28.0
Sheet No. D-28.0

(Continued from Sheet No. D-27.0)

PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1 (Contd)

Terms and Conditions of Service: (Contd)

5. If, in any month, customer fails to control load to predetermined demand level when requested by company, an additional charge of \$13.80 per kW per occurrence shall be applied to the amount by which customer's maximum adjusted demand during any control period exceeds predetermined demand. If customer incurs three failures to control load to predetermined demand level when requested by company, the company reserves the right to renegotiate the predetermined demand level or remove customer from the peak controlled time-of-day service. In a case where customer is removed from the peak controlled time-of-day service, customer will be subject to a cancellation charge specified in Terms and Conditions, Item 6.
6. Customer shall execute an Electric Service Agreement with company which will include:
 - a. A minimum rolling five-year term of service which includes a trial period subject to Terms and Conditions, Item 7.
 - b. The predetermined demand level, which may be revised subject to approval by company;
 - c. Customer's choice of whether customer or company is to control load.
7. Cancellation Charge: If the customer terminates agreement during its term, or if agreement is terminated as a result of any default of customer, customer will pay to company the following cancellation charge:

Eighteen times the demand charge differential plus three times the demand charge interruption credit, multiplied by the customer's average monthly controlled demand for the previous 12 months. If termination occurs less than 12 months after commencement of this agreement and customer is not eligible for trial period, customer's average monthly controlled demand will be computed based on the number of months of billing data available.
8. Trial Period: The cancellation charge described above will not apply if customer terminates agreement by notifying company in writing during the first twelve months of service. If customer terminates agreement during this time, customer will pay to company the sum of the following:
 - a. the total billed controlled demand during the term of agreement times the difference between the firm and controlled demand rates in effect during the term of agreement;
 - b. all interruption credits received during the term of agreement; and
 - c. all company installation and removal costs for special equipment and facilities provided by company for peak-controlled time-of-day service.

A trial period for peak-controlled time-of-day service will not be available to any customer who has previously received such service.

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Sheet No. D-28.1
Sheet No.

(Continued from Sheet No. D-28.0)

PEAK CONTROLLED TIME-OF-DAY SERVICE MPC-1 (Contd)

Terms and Conditions of Service: (Contd)

9. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
10. Company will determine, at a service location designated by company, the number of services supplied. Customers requesting special facilities will be charged the additional costs incurred for such facilities.
11. The rate contemplates that off-peak usage will utilize existing facilities with no additional major expenditures. Any additional expenditures required for off-peak service must be justified by the anticipated off-peak revenues, or by payments by customer to company.

Rate Code

C20 MPC-1 with SSS-1

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Sheet No. D-30.0

Sheet No. D-30.0

PEAK CONTROLLED GENERAL SERVICE MPC-2

Effective In: All territory served by the Company.

Availability: Available to any retail customer who qualifies for service on General Service rate schedule MCI-1, who receives service according to Schedule SSS-1, and who agrees to control demand to a predetermined level whenever required by Company. General availability is restricted to customers with a minimum controlled demand of 50 kW. Service under this rate may be refused if the Company believes the load to be controlled will not provide adequate load reduction when required.

Kind of Service: Alternating current at the following nominal voltages: (a) for Secondary Voltage Service--three-wire single-phase and three-or four-wire three-phase at 208 volts or higher; (b) for Primary Voltage Service--three-phase at 2400 volts or higher. Service voltage available in any given case is dependent upon voltage and capacity of existing Company lines in vicinity of customer's premises.

Electric Supply Service: Under this service schedule, the Company shall provide Electric Supply Service according to System Supply Service SSS-1.

Monthly Rate:

Customer Charge with Interval Demand Meter: \$ 55.00 per Customer per month
This rate is subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

<u>Distribution Demand Charges:</u>	<u>Charge per kW per Month</u>
Secondary Voltage	\$ 1.75
Primary Voltage	\$ 1.40

<u>Distribution Energy Charge:</u> - Secondary Voltage	2.670 ¢ per kWh
Energy Charge Discount - Primary Voltage	20%

Electric Supply Service Options:

For System Supply Service,

SC5. Supply Charges (see Schedule SSS-1)

Supply Energy Charge	5.840 ¢ per kWh
Energy Charge Voltage discount	2%

Supply Firm Demand Charge Secondary Voltage	\$8.45 per kW
Supply Firm Demand Charge Primary Voltage	\$8.28 per kW

Supply Controlled Demand Charge Secondary Voltage	\$3.15 per kW
Supply Controlled Demand Charge Primary Voltage	\$3.09 per kW

High load factor discount - All kWh in excess of 400 hours times the billing demand not to exceed 50% of total kWh
1.0 ¢ per kWh

Power Supply Cost Recovery Factor – Subject to the PSCR factor (See Sheet No. D-1.0)

(Continued on Sheet No. D-31.0)

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Sheet No. D-31.0
Sheet No. D-31.0

(Continued from Sheet No. D-30.0)

PEAK CONTROLLED GENERAL SERVICE MPC-2 (Contd)

Monthly Rate: (Continued)

System Power Factor Demand Charge:

Secondary Voltage	\$ 8.45 per kW/mo.
Primary Voltage	\$ 8.28 per kW/mo.

For Customer Supply Service, see Schedule CSS-1

Measured Demand: The Company will install a demand meter to record the Measured Demand. The Measured Demand shall be the average kilowatts, rounded to the nearest whole kilowatt, required during the 15-minute period of maximum use.

Minimum Net Monthly Charge: The Monthly Net Minimum Charge shall be the Customer Charge plus Energy Waste Reduction Surcharge plus the Distribution Demand Charge, unless otherwise provided by contract.

The Average Power Factor is defined to be the quotient obtained by dividing the kilowatt-hours used during the month by the square root of the sum of the squares of the kilowatt-hours used and the lagging reactive kilovolt-ampere-hours supplied during the same period. Any leading kilovolt-ampere-hours supplied during the period will not be considered in determining the Average Power Factor.

System Power Factor Adjustment: The customer shall at all times take and use power in such manner that the Average Power Factor shall be as near 100% as possible. Should the Average Power Factor during the month shall be determined to be below 90%, the System Power Factor Adjustment shall be equal to the sum of minus one (-1) plus the ratio of 90% divided by the Average Power Factor. If the Average Power Factor during the month is 90 % or above, the System Power Factor adjustment is equal to zero (0).

Control Period: During a billing month, control periods are the time periods during which a customer is requested to reduce Measured Demand to the Predetermined Demand level.

Billing Demand Definitions:

1. The Maximum Monthly Demand shall be the Measured Demand occurring anytime during the current month after adjusting for losses, if applicable.
2. The Predetermined Demand level shall be specified and agreed to by the customer and company. Customer's Measured Demand in excess of the Predetermined Demand during control periods shall be subject to penalty as described in Terms and Conditions, Item 4.

(Continued on Sheet No. D-32.0)

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Sheet No. D-33.0
Sheet No. D-33.0

(Continued from Sheet No. D-32.0)

PEAK CONTROLLED GENERAL SERVICE MPC-2 (Contd)

Terms and Conditions of Service: (Contd)

Terms and Conditions of Service

1. Customer shall control own load to predetermined demand level.

Customer must:

- a. Provide to Company a list of names of people designated as responsible for curtailment action of customer's loads and who will take calls from Company on a 24-hour basis.
- b. Install remote control equipment provided by Company, if requested by Company.
- c. Provide a continuous 120 volt AC power source at the connection point for operation of the Company remote control equipment;
- d. Allow Company to inspect and approve the remote control installation and equipment provided by customer;
- e. Allow Company to revise type of control system.
- f. Provide telephone jack at point of metering.
- g. Allow Company use of existing telephone facilities at no cost to the Company.

Company must:

- a. Provide to customer an authorized list of names of those employees responsible for notifying customers of the curtailment periods.
 - b. Maintain an official log of all calls notifying customers of the curtailment periods. The information will include but not be limited to the date and time of the call, the duration of the curtailment period, and the names of the people contacted.
2. Company will give customer one hour's notice of an impending control period.
3. Service interruption under this rate schedule shall be at the discretion of Company. The frequency of interruption will normally occur between 6 and 12 days in a calendar year, occurring at such times when Company expects to incur a new system peak, or for area protection, and at such times when, in the Company's opinion, the reliability of the system is endangered. The duration of interruption will vary from 2 hours to about 12 hours. Total hours of interruption will not exceed 150 hours per calendar year, excluding interruptions due to physical causes other than intentional curtailment by the Company.
4. ***Annual Power Test Requirement:** Under this provision, the customer shall provide a documented controlled load reduction plan. The controlled load reduction plan shall serve as the representation of the customer's annual simulated power test in compliance with the Commission Order issued October 29, 2020 in Case No. U-20628. Customers on this rate are excluded from real power testing. Any changes to the customer's contracted capacity under this provision must be supported by an updated controlled load reduction plan on an annual basis.*

(Continued on Sheet No. D-34.0)

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President
Eau Claire, Wisconsin

Effective:
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dated
in Case No. U-21097

M. P. S. C. No. 2 – Electric

NORTHERN STATES POWER COMPANY,
a Wisconsin corporation
(Case No. U-21097)

2nd Revised
Cancels 1st Revised

Sheet No. D-34.0
Sheet No. D-34.0

(Continued from Sheet No. D-33.0)

PEAK CONTROLLED GENERAL SERVICE MPC-2 (Contd)

Terms and Conditions of Service: (Contd)

5. If, in any month, customer fails to control load to predetermined demand level when requested by Company, an additional charge of \$13.80 per kW per occurrence shall be applied to the amount by which customer's maximum adjusted demand during any control period exceeds predetermined firm demand. If customer incurs three failures to control load to predetermined firm demand level when requested by Company, the Company reserves the right to renegotiate the predetermined firm demand level or remove customer from the peak controlled service. Further, customer must maintain a minimum of 50 kilowatts of controllable load, and controllable load must remain such as to provide adequate load reduction when required, or risk removal from the rate. In a case where customer is removed from the peak controlled service, customer will be subject to a cancellation charge specified in Terms and Conditions, Item 6.
6. Customer shall execute an Electric Service Agreement with Company which will include:
 - a. A minimum rolling five-year term of service which includes a trial period subject to Terms and Conditions, Item 7, Sheet No. D-34.0.
 - b. The predetermined firm demand level may be revised subject to approval by Company. Lowering the predetermined firm demand level requires a letter from customer. The level may be increased only to the extent customer increases total adjusted demand.
 - c. Terms and conditions and other provisions.
7. Cancellation Charge If the customer terminates agreement during its term, or if agreement is terminated as a result of any default of customer, customer will pay to Company the following cancellation charge: Eighteen times the demand charge differential plus three times the demand charge interruption credit, multiplied by the customer's average monthly controlled demand for the previous 12 months. If termination occurs less than 12 months after commencement of this agreement and customer is not eligible for trial period, customer's average monthly controlled demand will be computed based on the number of months of billing data available.
8. Trial Period The cancellation charge described above will not apply if customer terminates agreement by notifying Company in writing during the first twelve months of service. If customer terminates agreement during this time, customer will pay to Company the sum of the following:
 - (a) the total billed controlled demand during the term of agreement times the difference between the firm and controlled demand rates in effect during the term of agreement; and
 - (b) all interruption credits received during the term of agreement; and
 - (c) all Company installation removal costs for special equipment and facilities provided by Company for peak-controlled service. If customer has underestimated his predetermined firm demand level and requires an increase in the level to accommodate firm load, customer will repay to Company that portion of past credits received which represent the difference between the initial and the newly requested level--except, PDL may be increased without repayment of past credits to extent customer adds load. (See Item 5b., Sheet No. D-34.0) A trial period for peak-controlled service will not be available to any customer who has previously received such service.

(Continued on Sheet No. D-34.1)

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Cancels

Sheet No. D-34.1
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(Continued from Sheet No. D-34.0)

PEAK CONTROLLED GENERAL SERVICE MPC-2 (Contd)

Terms and Conditions of Service: (Contd)

8. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
9. Company will determine, at a service location designated by Company, the number of services supplied. Customers requesting special facilities will be charged the additional costs incurred for such facilities.

Rate Code

C21 MPC-2 with SSS-1

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12th Revised

11th Revised

Sheet No. D-36.0

Sheet No. D-36.0

STREET LIGHTING MSL-1

Applicable: All areas served.

Availability: This rate is available when the Company furnishes under this schedule all of the electric energy requirements for lighting the public thoroughfares and parks of the municipality under a written contract for at least three lamps and for a term of not less than five years.

Net Rate per Unit per Month for Company-Owned Overhead System

<u>Multiple</u>		<u>Rate</u>
<u>Sodium Vapor:</u>		
70 Watt	5,800 Lumens	\$ 10.70
100 Watt	9,500 Lumens	\$ 12.05
150 Watt	16,000 Lumens	\$ 14.00
250 Watt	27,500 Lumens	\$ 18.20
400 Watt	50,000 Lumens	\$ 24.20
<u>LED:</u>		
39 Watt	100 SV equivalent	\$ 9.75
65 Watt	150 SV equivalent	\$ 11.00
155 Watt	250 SV equivalent	\$ 14.65
256 Watt	400 SV equivalent	\$ 20.30

Customer Owned-Energy & Maintenance:

<u>Sodium Vapor:</u>		
70 Watt	5,800 Lumens	\$ 4.30
100 Watt	9,500 Lumens	\$ 5.60
150 Watt	16,000 Lumens	\$ 7.15
250 Watt	27,500 Lumens	\$ 11.50
400 Watt	50,000 Lumens	\$ 16.70

The above unit rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Power Supply Cost Recovery Factor

This rate is subject to the Company's Power Supply Cost Recovery Factor as set forth on Sheet No. D-1.0.

(Continued on Sheet No. D-36.1)

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5th Revised

Sheet No. D-37.1

Sheet No. D-37.1

**NON-METERED LED STREET LIGHTING,
AREA LIGHTING, TRAFFIC SIGNAL SERVICE
MSL-2**

Applicable: All areas served.

Availability: Available when the Company furnishes according to this schedule all electric energy requirements for lighting public thoroughfares and parks of the municipality under a written contract for at least three Light Emitting Diode (“LED”) lamp units and for a term of not less than five years. This service is available only for customer-owned LED lighting equipment for which the customer provides connected load amounts, in watts, for each LED lamp unit.

Rate per watt-month for customer-owned dusk to dawn lighting

\$0.0312 per watt of unit rating

These unit rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Examples

<u>Unit's watt rating</u>	<u>Estimated Usage per Month</u>	<u>Rate</u>
70 Watt	23 kWh	\$ 2.19
100 Watt	33 kWh	\$ 3.12
150 Watt	49 kWh	\$ 4.68
250 Watt	82 kWh	\$ 7.81
400 Watt	131 kWh	\$12.49

Rate per watt-month for customer-owned 24 hour lighting

\$0.0905 per watt of unit rating

These unit rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Maintenance Option: At a cost of \$2.00 per light per month, the Company will provide routine maintenance of the facilities, for which the customer furnishes to the utility at no charge any required maintenance materials unique to the LED lighting fixture (e.g. parts and/or replacement fixtures).

Use of Company's existing light standards and/or distribution poles: The Company may sell existing poles and associated facilities used exclusively for street lighting to the customer, at cost. Or, for existing distribution poles utilized for other Company purposes, the Company is willing to install, where possible, the customers LED lighting and needed mast arms, at cost, providing the customer has agreed to the Maintenance Option above.

General Rules and Regulations: Standard construction rules and other regulations, except as modified above, shall apply.

Power Supply Cost Recovery Factor: This rate is subject to the Company's Power Supply Cost Recovery Factor as set forth on Sheet No. D-1.0.

Late Payment Charge The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

(Continued on Sheet No. D-38.0)

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9th Revised

Sheet No. D-38.0

Sheet No. D-38.0

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OPTIONAL OFF-PEAK SERVICE MOP-1

Applicable: All areas served.

Availability: Available on an optional basis to any Residential or Commercial General Service customer receiving service according to Schedule SSS-1, for single- or three-phase service for loads which will be metered separately and will be controlled by the customer and energized only for the hours from 9:00 p.m. to 7:00 a.m. daily.

Electric Supply Service: Under this service schedule, the Company shall provide Electric Supply Service according to System Supply Service SSS-1.

Monthly Rate:

Customer Charge:

Single Phase

\$ 5.00 per month

Three Phase

\$11.00 per month

Distribution Delivery Charge: - Secondary Voltage

2.67 ¢ per kWh

Distribution Delivery Charge Discount: - Primary Voltage

20.0 %

This rate is subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Electric Supply Service:

for System Supply Service,

SC7. Supply Energy Charge

3.99 ¢ per kWh (see Schedule SSS-1)

Non-Authorized Energy charge

20.00 ¢ per kWh

Energy Charge Primary Discount

2%

Power Supply Cost Recovery Factor – Subject to the PSCR factor (See Sheet No. D-1.0)

Minimum Net Monthly Charge: The Customer Charge unless otherwise provided by contract.

Late Payment Charge: The due date shall be 21 days following the date of mailing. A late payment charge of 1%, not compounded, of the unpaid balance, net of taxes, shall be added to any bill which is delinquent. A delinquent account is a bill which remains unpaid at least 5 days after the due date of the bill.

Terms and Conditions of Service:

1. Optional Off-Peak Service shall be separately served and metered and shall at no time be connected to facilities serving customer's other loads.
2. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
3. Customer selecting Optional Off-Peak Service must normally remain on this service for a minimum term of one year.
4. The rate contemplates that this service will utilize existing facilities with no additional major expenditures. Any additional expenditures required for off-peak service must be justified by the anticipated off-peak revenues or by payments by customer to Company.
5. A Non-Authorized Energy Use Charge shall be applied to outside of the energized time period specified in this tariff. If this energy use occurs during three or more billing months, the Company reserves the right to remove the customer from Optional Off-Peak Service.

Rate Code

C31 MOP-1 with SSS-1

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7th Revised

Sheet No. D-39.0

Sheet No. D-39.0

MUNICIPAL PUMPING SERVICE MPA-1

Applicable: All areas served.

Availability: This schedule is available for municipal pumping purposes including incidental heating and lighting of buildings and premises in connection with the municipality's water system or sewage system. For Customers who receive service according to Schedule SSS-1, execution of a contract is required for an initial term of not less than five years with a clause providing for automatic renewal for successive terms of one year each.

Type of Service:

Service may be single- or three-phase, 60 hertz, alternating current at transmission, primary, or secondary voltage. Transmission or primary service is provided only at the option of the Company and will be made at the voltage available in the locality being served.

Electric Supply Service: Customers may choose to have Electric Supply Service from an AES according to Customer Supply Service CSS-1 and Retail Access Service Tariff RAS-1. Customers that do not choose an AES shall be provided Electric Supply Service by the Company according to System Supply Service SSS-1.

Monthly Rate:

Customer Charge with Energy-Only Meter:

(Normal Metering Configuration)

Single Phase

\$ 11.50 per month per point of delivery

Three Phase

\$ 16.50 per month per point of delivery

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Customer Charge with Interval Demand Meter:

(CSS-1 Metering For Large Customers *)

Single Phase

\$ 13.25 per month per point of delivery

Three Phase

\$ 18.25 per month per point of delivery

These rates are subject to the Energy Waste Reduction Surcharge shown on Sheet No. D-3.1

Distribution Delivery Charge:

Secondary Voltage

3.40¢ per kWh

Electric Supply Service Options:

For System Supply Service,

SC8. Supply Energy Charge

8.25¢ per kWh (see Schedule SSS-1)

Power Supply Cost Recovery Factor – Subject to the PSCR factor (See Sheet No. D-1.0)

For Customer Supply Service, see Schedule CSS-1

(Continued on Sheet No. D-40.0)

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Sheet No. D-40.5

Sheet No. D-40.5

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Sheet No. D-40.6

NORTHERN STATES POWER COMPANY, Cancels Original

Sheet No. D-40.6

a Wisconsin corporation

(Case No. U-21097)

**VOLUNTARY RENEWABLE ENERGY RIDER
(RENEWABLE*CONNECT®)**

Effective in: All territory served by the Company

Availability: Available to any retail metered electric customer taking service from the Company under Schedules MR-1, MR-2, MSC-1, MST-1, MCI-1, MI-1, MPC-1, or MPA-1 that chooses to purchase energy from renewable resources through a Subscription in the Renewable*Connect program.

Subscription Size: The minimum monthly subscription is one 100 kWh block. Subscriptions may be elected in 100 kWh blocks; a 100% use option is also available.

Subscription Period Length:

The following subscription period types are available for the Renewable*Connect program:

Month-to-Month, 5 Years, Single Event

Subscription Price: Each billing month, the Renewable*Connect price associated with the subscription period length chosen by the Customer will be applied to the Subscription Size chosen by the Customer. The cost to the Customer for participating in Renewable*Connect will appear on the Customer's retail electric bill as a separate line item consisting of the Net Price per kWh as set forth below.

Pricing is based on the resource cost, administrative and marketing costs, neutrality adjustments, capacity credits and energy credits, as approved by the Commission. The portion of the subscription price based on capacity credits and energy credits shall be based on the Company's average embedded production cost per kWh currently reflected in retail rates, and is subject to change as the average embedded production cost reflected in retail rates changes.

Rate: The Month-to-Month and Single Event subscription rate will be updated from time to time in rate proceedings. For Month-to-Month and Single Event subscriptions, the following rate applies effective XXXXX X, 2022:

Cost per kWh	Credit per kWh	Net Price per kWh
<i>\$0.04508</i>	<i>\$0.03534</i>	<i>\$0.0097</i>

For the 5 Year subscription, the aspects of the subscription price not based on embedded production costs ("Costs per kWh" below) are not subject to change and will remain effective as follows:

Year	Cost per kWh	Credit per kWh	Net Price per kWh
2022	<i>\$0.04198</i>	<i>\$0.03534</i>	<i>\$0.0066</i>
2023	<i>\$0.04293</i>	<i>2022 Net Price per kWh will remain effective until updated in future rate case proceedings.</i>	
2024	<i>\$0.04391</i>		
2025	<i>\$0.04490</i>		
2026	<i>\$0.04593</i>		
2027	<i>\$0.04697</i>		

(continued on Sheet No. D-42.7)

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Sheet No. D-41.0

Sheet No. D-41.0

**NET METERING PROGRAM
GENERATORS 20 KW AND LESS PG-1**

Effective In

All territory served.

Availability

Available to retail customers taking full requirements service with renewable electric generation facilities that are interconnected with the Company's power supply and rated at 20 kW and less, where customer's delivery offsets retail electric consumption at the same site. If a customer has more than one electric generator, the generator's rating(s) shall be summed and the sum may not exceed 20 kW.

This Rider is available only to customers participating in PG-1 prior to January 1, 2023. A customer is "participating" if the customer has a completed application for service under PG-1 pending before the Company prior to January 1, 2023. A customer who has an application filed with the Company before this date may still be allowed to participate in this rider if the application is found deficient provided the customer cures the deficiency within 60 days.

Customers participating in this rider will have the option to transition to the Distributed Generation Rider (DG Rider) or remain on this rider for a period of 10 years from the customer's original participation date which is defined as the date of meter installation for the net metering service.

The Company's Net Metering Program is available on a first come, first served basis until the nameplate capacity of all participating generators is equal to the maximum program limit of 1% of the Company's previous year's peak demand measured in kW for the Company's retail load, allocated to include no more than 0.5% for customers generating 20 kW or less.

Monthly Rates

Distribution Charges:

A customer enrolled in the Net Metering Program shall pay the Distribution Charges associated with the Company's standard service tariff applicable to the customer when the customer's net usage results in a net flow of energy from the Company to the customer. When the customer's monthly net usage results in a net flow of energy from the customer to the Company, the customer shall be credited based on the Excess Generation rate below.

Power Supply Charges:

A customer enrolled in the Net Metering Program shall pay the Power Supply Charges associated with the Company's standard service tariff applicable to the customer when the customer's net usage results in a net flow of energy from the Company to the customer. When the customer's monthly net usage results in a net flow of energy from the customer to the Company, the customer shall be credited based on the Excess Generation rate below.

(Continued on Sheet No. D-42.0)

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Sheet No. D-42.0
Sheet No. D-42.0

NET METERING PROGRAM (Cont'd)
GENERATORS 20 KW AND LESS PG-1
(continued from Sheet No. D-41.0)

Monthly Rates (continued)

Excess Generation:

Excess generation shall be credited at the customer's applicable standard tariff's full retail rate (distribution service plus power supply service). The credit shall appear on the customer's next bill. Any credit not used to offset current charges shall be carried forward for use in subsequent billing periods.

Metering

The Company may determine the customer's net usage using the customer's existing meter if it is capable of reverse registration or may, at the Company's expense, install a single meter with separate registers measuring power flow in each direction. If the Company uses the customer's existing meter, the Company shall test and calibrate the meter to assure accuracy in both directions. If the customer's meter is not capable of reverse registration and if meter upgrades or modifications are required, the company shall provide a meter or meters capable of measuring the flow of energy in both directions to the customer at cost. Only the incremental cost above that for meter(s) provided by the Company to similarly situated nongenerating customers shall be paid by the eligible customer. Generator meters will be supplied to the customer, at the customer's request, at cost.

Costs and Fees

The Company's Modified Net Metering program costs and fees, prescribed according to No. 9. below, are as follows:

Net Metering Application Fee:	\$ 25
Interconnection Application Fee:	\$ 75

Terms and Conditions

1. A renewable energy resource comes from the sun or from thermal inertia of the earth and minimizes the output of toxic material in the conversion of the energy and includes, but is not limited to, all of the following:
 - a. Biomass
 - b. Solar and solar thermal energy
 - c. Wind energy
 - d. Kinetic energy of moving water, including the following:
 - i. Waves, tides or currents
 - ii. Water released through a dam
 - e. Geothermal energy
 - f. Municipal solid waste
 - g. Landfill gas produced by municipal solid waste.

(Continued on Sheet No. D-43.0)

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Sheet No. D-43.0

Sheet No. D-43.0

NET METERING PROGRAM (Cont'd)
GENERATORS 20 KW AND LESS PG-1
(continued from Sheet No. D-42.0)

Terms and Conditions (continued)

2. A customer using biomass blended with fossil-fuel as their renewable energy source must submit proof to the Company substantiating the percentage of the fossil fuel blend either by (1) separately metering the fossil fuel, or (2) providing other documentation that will allow the Company to correctly apply a generation credit to the output associated with the customer's renewable fuel only.
3. The generation equipment must be located on the customer's premises, serving only the customer's premises and must be intended primarily to offset a portion or all of the customer's requirements for electricity.
4. At the customer's option, the customer's electric needs shall be determined by one of the following methods:
 - a. The customer's annual energy usage, measured in kWh, during the previous 12-month period.
 - b. When metered demand is available, the maximum integrated hourly demand measured in kW during the previous 12-month period.
 - c. In instances where complete and correct data is not available or where the customer is making changes on-site that will affect total usage, the Company and the customer shall mutually agree on a method to determine the customer's electric needs.
5. At the customer's option, the generation capacity shall be determined by 1 of the following methods:
 - a. Aggregate nameplate capacity of the generator(s).
 - b. An estimate of the expected annual kWh output of the generator(s).
6. Customers shall not be allowed to switch their generation back and forth between two or more rate schedules to circumvent the intent of rate design.
7. If a customer has more than one generator, the generator's ratings shall be summed. This sum shall be at 20 kW or less.
8. The customer is required to provide the Company with a capacity rating in kW of the generating unit and a projected monthly and annual kilowatt-hour output of the generating unit when completing the Company's Net Metering Application.
9. The requirements for interconnecting a generator with the Company's facilities are contained in the Michigan Public Service Commission's Electric Interconnection and Net Metering Standards Rules ([R460.601a – 460.656](#)) and the Company's Michigan Utility Generator Interconnection Requirements, copies of which will be provided to customers upon request. All requirements must be met prior to commencing service.

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Sheet No. D-44.0

Sheet No. D-44.0

**MODIFIED NET METERING PROGRAM
GENERATORS GREATER THAN 20 KW AND LESS THAN 150 kW PG-2**

Effective In

All territory served.

Availability

Available to retail customers taking full requirements service with renewable electric generation facilities that are interconnected with the Company's power supply and rated at greater than 20 kW and not more than 150 kW, where customer's delivery offsets retail electric consumption at the same site. If a customer has more than one electric generator, the generator's rating(s) shall be summed and the sum may not exceed 150 kW.

This Rider is available only to customers participating in PG-2 prior to January 1, 2023. A customer is "participating" if the customer has a completed application for service under PG-2 pending before the Company prior to January 1, 2023. A customer who has an application filed with the Company before this date may still be allowed to participate in this rider if the application is found deficient provided the customer cures the deficiency within 60 days.

Customers participating in this rider will have the option to transition to the Distributed Generation Rider (DG Rider) or remain on this rider for a period of 10 years from the customer's original participation date, which is defined as the date of meter installation for the net metering service.

The Company's Net Metering Program is available on a first come, first served basis until the nameplate capacity of all participating generators is equal to the maximum program limit of 1% of the Company's previous year's peak demand measured in kW for the Company's retail load, allocated to include no more than 0.25% for customers generating at greater than 20 kW and not more than 150 kW.

Monthly Rates

Distribution Charges:

A customer enrolled in the Modified Net Metering Program shall pay the Distribution Charges associated with the Company's standard service tariff applicable to the customer when the customer's net usage results in a net flow of energy from the Company to the customer.

Power Supply Charges:

A customer enrolled in the Modified Net Metering Program shall pay the Power Supply Charges associated with the Company's standard service tariff applicable to the customer.

Energy Charges: Charges that are related to a \$/kWh charge will be charged when the customer's net usage results in a net flow of energy from the Company to the customer. When the customer's monthly net usage results in a net flow of energy from the customer to the Company, the customer's \$/kWh charges shall be credited based on the Excess Generation rate below.

(Continued on Sheet No. D-45.0)

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Sheet No. D-45.0

Sheet No. D-45.0

MODIFIED NET METERING PROGRAM (Cont'd)
GENERATORS GREATER THAN 20 KW AND LESS THAN 150 kW PG-2
(continued from Sheet No. D-44.0)

Monthly Rates (continued)

Demand Charges: The customer shall pay the demand charges (\$/kW) associated with the Company's standard service tariff applicable to the customer for the customer's total consumption of energy from the Company to the customer.

Excess Generation:

Excess generation shall be credited at the customer's applicable standard tariff's power supply service energy charges (\$/kWh). The credit shall appear on the customer's next bill. Any credit not used to offset current charges shall be carried forward for use in subsequent billing periods.

Metering

The Company may determine the customer's net usage using the customer's existing meter if it is capable of reverse registration or may, at the Company's expense, install a single meter with separate registers measuring power flow in each direction. If the Company uses the customer's existing meter, the Company shall test and calibrate the meter to assure accuracy in both directions. If the customer's meter is not capable of reverse registration and if meter upgrades or modifications are required, the company shall provide a meter or meters capable of measuring the flow of energy in both directions to the customer at cost. Only the incremental cost above that for meter(s) provided by the Company to similarly situated nongenerating customers shall be paid by the eligible customer. Generator meters are provided by the Company. The cost of the generator meter shall be considered a cost of operating the net metering program.

Costs and Fees

The Company's Modified Net Metering program costs and fees, prescribed according to No. 9. below, are as followings:

Net Metering Application Fee:	\$ 25
Interconnection Application Fee:	\$ 75
Engineering review:	\$ 0
Distribution Study:	Actual Costs or Maximum Approved by the Commission
Distribution Upgrades:	Actual Costs or Maximum Approved by the Commission
Company Testing and Inspection Fee:	\$ 0
All Interconnection Costs:	Actual Costs or Maximum Approved by the Commission

(Continued on Sheet No. D-46.0)

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Sheet No. D-46.0

Sheet No. D-46.0

MODIFIED NET METERING PROGRAM (Cont'd)
GENERATORS GREATER THAN 20 KW AND LESS THAN 150 kW PG-2
(continued from Sheet No. D-45.0)

Terms and Conditions

1. A renewable energy resource comes from the sun or from thermal inertia of the earth and minimizes the output of toxic material in the conversion of the energy and includes, but is not limited to, all of the following:
 - a. Biomass
 - b. Solar and solar thermal energy
 - c. Wind energy
 - d. Kinetic energy of moving water, including the following:
 - i. Waves, tides or currents
 - ii. Water released through a dam
 - e. Geothermal energy
 - f. Municipal solid waste
 - g. Landfill gas produced by municipal solid waste.
2. A customer using biomass blended with fossil-fuel as their renewable energy source must submit proof to the Company substantiating the percentage of the fossil fuel blend either by (1) separately metering the fossil fuel, or (2) providing other documentation that will allow the Company to correctly apply a generation credit to the output associated with the customer's renewable fuel only.
3. The generation equipment must be located on the customer's premises, serving only the customer's premises and must be intended primarily to offset a portion or all of the customer's requirements for electricity.
4. At the customer's option, the customer's electric needs shall be determined by one of the following methods:
 - a. The customer's annual energy usage, measured in kWh, during the previous 12-month period.
 - b. When metered demand is available, the maximum integrated hourly demand measured in kW during the previous 12-month period.
 - c. In instances where complete and correct data is not available or where the customer is making changes on-site that will affect total usage, the Company and the customer shall mutually agree on a method to determine the customer's electric needs.
5. At the customer's option, the generation capacity shall be determined by 1 of the following methods:
 - a. Aggregate nameplate capacity of the generator(s).
 - b. An estimate of the expected annual kWh output of the generator(s).

(Continued on Sheet No. D-46.1)

Issued by
M.E. Stoering
President
Eau Claire, Wisconsin

Effective:
Issued Under Authority of the
Michigan Public Service Commission
dated
in Case No. U-21097

M. P. S. C. No. 2 – Electric
NORTHERN STATES POWER COMPANY, Cancels
a Wisconsin corporation
(Case No. U-21097)

Original

Sheet No. D-46.1
Sheet No. D-46.1

MODIFIED NET METERING PROGRAM (Cont'd)
GENERATORS GREATER THAN 20 KW AND LESS THAN 150 kW PG-2
(continued from Sheet No. D-46.0)

Terms and Conditions (continued)

6. Customers shall not be allowed to switch their generation back and forth between two or more rate schedules to circumvent the intent of rate design.
7. If a customer has more than one generator, the generator's ratings shall be summed. This sum shall be greater than 20 kW and not more than 150 kW.
8. The customer is required to provide the Company with a capacity rating in kW of the generating unit and a projected monthly and annual kilowatt-hour output of the generating unit when completing the Company's Net Metering Application.
9. The requirements for interconnecting a generator with the Company's facilities are contained in the Michigan Public Service Commission's Electric Interconnection and Net Metering Standards Rules ([R460.601a – 460.656](#)) and the Company's Michigan Utility Generator Interconnection Requirements, copies of which will be provided to customers upon request. All requirements must be met prior to commencing service.

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Eau Claire, Wisconsin

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NORTHERN STATES POWER COMPANY,
a Wisconsin corporation
(Case No. U-21097)

2nd Revised
Cancels 1st Revised

Sheet No. D-47.0

Sheet No. D-47.0

PARALLEL GENERATION

METHANE DIGESTERS GREATER THAN 150 KW AND NOT MORE THAN 550 kW PG-3

Effective In

All territory served.

Availability

Available to retail customers taking full requirements service with methane digester electric generation facilities that are interconnected with the Company's power supply and rated at greater than 150 kW and not more than 550 kW, where customer's delivery offsets retail electric consumption at the same site. If a customer has more than one electric generator, the generator's rating(s) shall be summed and the sum may not exceed 550 kW.

This Rider is available only to customers participating in PG-3 prior to January 1, 2023. A customer is "participating" if the customer has a completed application for service under PG-3 pending before the Company prior to January 1, 2023. A customer who has an application filed with the Company before this date may still be allowed to participate in this rider if the application is found deficient provided the customer cures the deficiency within 60 days.

Customers participating in this rider will have the option to transition to the Distributed Generation Rider (DG Rider) or remain on this rider for a period of 10 years from the customer's original participation date, which is defined as the date of meter installation for the net metering service.

The Company's Net Metering Program is available on a first come, first served basis until the nameplate capacity of all participating generators is equal to the maximum program limit of 1% of the Company's previous year's peak demand measured in kW for the Company's retail load, allocated to include no more than 0.25% for customers generating at greater than 150 kW and not more than 550 kW.

Monthly Rates

Distribution Charges:

A customer enrolled in this program shall pay the Distribution Charges at the Company's standard service tariff applicable to the customer for the customer's imputed customer consumption. Imputed customer consumption is the sum of the metered on-site generation and the net of the bi-directional flow of power across the customer interconnection during the billing period.

Power Supply Charges:

A customer enrolled in this program shall pay the Power Supply Charges associated with the Company's standard service tariff applicable to the customer.

Energy Charges: Charges that are related to a \$/kWh charge will be charged when the customer's net usage results in a net flow of energy from the Company to the customer. When the customer's monthly net usage results in a net flow of energy from the customer to the Company, the customer's \$/kWh charges shall be credited based on the Excess Generation rate below.

(Continued on Sheet No. D-47.1)

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Eau Claire, Wisconsin

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Sheet No. D-47.1
Sheet No. D-47.1

PARALLEL GENERATION (Cont'd)
METHANE DIGESTERS GREATER THAN 150 KW AND NOT MORE THAN 550 kW PG-3
(continued from Sheet No. D-47.0)

Monthly Rates (continued)

Demand Charges: The customer shall pay the demand charges (\$/kW) associated with the Company's standard service tariff applicable to the customer for the customer's total consumption of energy from the Company to the customer.

Excess Generation:

Excess generation shall be credited at the customer's applicable standard tariff's power supply service energy charges (\$/kWh). The credit shall appear on the customer's next bill. Any credit not used to offset current charges shall be carried forward for use in subsequent billing periods.

Metering

The Company will utilize a meter or meters capable of measuring the flow of energy in both directions and generator output. If the Company uses the customer's existing meter, the Company shall test and calibrate the meter to assure accuracy in both directions. If meter upgrades or modifications are required, then the customer shall pay the costs incurred.

Costs and Fees

The Company's Modified Net Metering program costs and fees, prescribed according to No. 9. below, are as followings:

Net Metering Application Fee:	\$ 25
Interconnection Application Fee:	\$ 75
Engineering review:	\$ 0
Distribution Study:	Actual Costs or Maximum Approved by the Commission
Distribution Upgrades:	Actual Costs or Maximum Approved by the Commission
Company Testing and Inspection Fee:	\$ 0
All Interconnection Costs:	Actual Costs or Maximum Approved by the Commission

Terms and Conditions

1. A renewable energy resource consisting of one or more methane digesters with an aggregate name plate capacity greater than 150 kW and not more than 550 kW located on the customer's premises and metered at a single point of contact.

(Continued on Sheet No. D-47.2)

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Sheet No. D-47.2
Sheet No. D-47.2

PARALLEL GENERATION (Cont'd)
METHANE DIGESTERS GREATER THAN 150 KW AND NOT MORE THAN 550 kW PG-3
(continued from Sheet No. D-47.1)

Terms and Conditions (continued)

2. A customer using biomass blended with fossil-fuel as their renewable energy source must submit proof to the Company substantiating the percentage of the fossil fuel blend either by (1) separately metering the fossil fuel, or (2) providing other documentation that will allow the Company to correctly apply a generation credit to the output associated with the customer's renewable fuel only.
3. The generation equipment must be located on the customer's premises, serving only the customer's premises and must be intended primarily to offset a portion or all of the customer's requirements for electricity.
4. At the customer's option, the customer's electric needs shall be determined by one of the following methods:
 - a. The customer's annual energy usage, measured in kWh, during the previous 12-month period.
 - b. When metered demand is available, the maximum integrated hourly demand measured in kW during the previous 12-month period.
 - c. In instances where complete and correct data is not available or where the customer is making changes on-site that will affect total usage, the Company and the customer shall mutually agree on a method to determine the customer's electric needs.
5. At the customer's option, the generation capacity shall be determined by 1 of the following methods:
 - a. Aggregate nameplate capacity of the generator(s).
 - b. An estimate of the expected annual kWh output of the generator(s).
6. Customers shall not be allowed to switch their generation back and forth between two or more rate schedules to circumvent the intent of rate design.
7. If a customer has more than one generator, the generator's ratings shall be summed. This sum shall be greater than 150 kW and not more than 550 kW.
8. The customer is required to provide the Company with a capacity rating in kW of the generating unit and a projected monthly and annual kilowatt-hour output of the generating unit when completing the Company's Net Metering Application.
9. The requirements for interconnecting a generator with the Company's facilities are contained in the Michigan Public Service Commission's Electric Interconnection and Net Metering Standards Rules ([R460.601a – 460.656](#)) and the Company's Michigan Utility Generator Interconnection Requirements, copies of which will be provided to customers upon request. All requirements must be met prior to commencing service.

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2nd Revised
Cancels 1st Revised

Sheet No. D-52.0
Sheet No. D-52.0

DISTRIBUTED GENERATION PROGRAM DG-1

Effective In

All territory served.

Availability

This Rider can be attached to any metered tariff, excluding riders, unless otherwise noted on the applicable metered tariff. The Distributed Generation Program is offered as authorized by 2008 PA 295, as amended by 2016 PA 342, 1939 PA 3, as amended by 2016 PA 341, Section (6) (a) (14), and the Commission in Case No. U-20359.

The Distributed Generation Program is available for eligible Distributed Generation customers beginning with the first day of the January 2023 Bill Month.

A customer participating in a net metering program approved by the Commission before January 1, 2023 shall have the option to take service under this tariff at the time service under the terms and conditions of the previous net metering program terminates in accordance with MCL 463.0183(1).

The Distributed Generation Program is voluntary and available on a first come, first served basis for new customer participants or existing customer participants increasing their aggregate generation. The combined Net Metering Program (PG-1), Modified Net Metering Program (PG-2), Parallel Generation (PG-3), and Distributed Generation Program size is equal to 1.0% of the Company's previous year's peak demand measured in kW for the Company's retail load, allocated to include no more than 0.5% for customers generation at 20 kW or less.

If an existing customer who participates on PG-1, PG-2, or PG-3 increases their aggregate generation following the effective date of this rider, then all generation on site will be subject to the terms and conditions of this tariff.

As specified under the applicable Base Rate. The term Base Rate refers to the Rate Schedules under which the Customer takes service and that this Rider is associated with.

Distributed Generation Definitions

- (1) A Category 1 distributed generation customer has one or more Eligible Electric Generators with an aggregate nameplate capacity of 20 kW or less that use equipment certified by a nationally recognized testing laboratory to IEEE 1547.1 testing standards and is in compliance with UL 1741-SA and located on the customer's premises and metered at a single point of contact.*
- (2) Category 2 distributed generation customer has one or more Eligible Electric Generators with an aggregate nameplate capacity greater than 20 kW but not more than 150 kW located on the customer's premises and metered at a single point of contact.*

(Continued on Sheet No. D-52.1)

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Sheet No. D-52.1
Sheet No.

DISTRIBUTED GENERATION PROGRAM DG-1 (Cont'd)

- (3) *A Category 3 distributed generation customer has one or more methane digesters with an aggregate nameplate capacity greater than 150 kW but not more than 550 kW located on the customer's premises and metered at a single point of contact.*
- (4) *Eligible Electric Generator- a renewable energy system or a methane digester with a generation capacity limited to no more than 100% of the customer's electricity consumption for the previous 12 months and does not exceed the following:*
- a. For a renewable energy system, 150 kW of aggregate generation at a single point of contact*
 - b. For a methane digester, 550 kW of aggregate generation at a single point of contact*
- (5) *Inflow - the metered inflow delivered by the Company to the customer during the billing month or time-based pricing period.*
- (6) *Outflow - the metered quantity of the customer's generation not used on site and exported to the utility during the billing month or time-based pricing period.*
- (7) *Renewable Energy Resource - a resource that naturally replenishes over a human, not a geological, timeframe and that is ultimately derived from solar power, waterpower or wind power. Renewable energy resource does not include petroleum, nuclear, natural gas, or coal. A renewable energy resource comes from the sun or from thermal inertia of the earth and minimizes the output of toxic material in the conversion of the energy and includes, but is not limited to, all of the following:*
- i. Biomass*
 - ii. Solar and solar thermal energy*
 - iii. Wind energy*
 - iv. Kinetic energy of moving water, including the following:*
 - a. waves, tides or currents*
 - b. water released through a dam*
 - v. Geothermal energy*
 - vi. Thermal energy produced from a geothermal heat pump*
 - vii. Any of the following cleaner energy resources:*
 - a. Municipal solid waste, including the biogenic and anthropogenic fractions*
 - b. Landfill gas produced by municipal solid waste*
 - c. Fuel that has been manufactured in whole or significant part from waste, including, but not limited to, municipal solid waste. Fuel that meets the requirements of this subparagraph includes, but is not limited to, material that is listed under 40 CFR 241.3(b) or 241.4(a) or for which a non-waste determination is made by the United States Environmental Protection Agency pursuant to 40 CFR 241.3(c). Pet coke, hazardous waste, coal waste, or scrap tires are not fuel that meets the requirements of this subparagraph.*

(Continued on Sheet No. D-52.2)

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Sheet No. D-52.2
Sheet No.

DISTRIBUTED GENERATION PROGRAM DG-1 (Cont'd)

Customer Eligibility

In order to be eligible to participate in the Distributed Generation Program, customers must generate a portion of all of their own retail electricity requirements with an Eligible Electric Generator which utilizes a Renewable Energy Resource, as defined above.

A customer's eligibility to participate in the Distributed Generation Program is conditioned on the full satisfaction of any payment term or condition imposed by the customer by pre-existing contracts or tariffs with the Company, including those imposed by participation in the Distributed Generation Program, or those required by the interconnection of the customer's Eligible Electric Generator to the Company's distribution system.

Customer Billing on Inflow - Category 1, 2 and 3 Customers

- (1) Full Service Customers - The customer will be billed according to their retail rate schedule, plus surcharges, and Power Supply Cost Recovery (PSCR) Factor on metered Inflow for the billing period or time-based pricing period.*
- (2) Retail Open Access Customer – The customer will be billed as stated on the customer's Retail Open Access Rate Schedule on metered Inflow for the billing period or time-based pricing period.*

Customer Billing on Outflow - Category 1, 2 and 3 Customers

The customer will be credited on outflow for the billing period or time-based pricing period. The credit shall be applied to the current billing month and shall be used to offset charges on that bill. Any excess credit not used will be carried forward to subsequent billing periods. Unused Outflow Credit from previous months will be applied to the current billing month, if applicable, to offset charges on the customer's bill. Outflow Credit is nontransferable.

(Continued on Sheet No. D-52.3)

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Sheet No. D-52.3
Sheet No.

DISTRIBUTED GENERATION PROGRAM DG-1 (Cont'd)

(1) Full Service Customers Outflow Credit

Customers will be credited per kWh of Supply Energy Charge according to their specific Rate Schedule, plus the PSCR factor as shown on Tariff Sheet No. D-2.00, plus the applicable Outflow Capacity Credit for Demand Rate Schedules from the table below.

<u>Rate Schedule</u>	<u>Voltage Level</u>	<u>Outflow Credit \$/kWh</u>
<i>Small Commercial and Industrial</i>		
<i>MCI-1 Commercial Industrial</i>	<i>Secondary</i>	<i>\$0.02320</i>
<i>MCI-1 Commercial Industrial</i>	<i>Primary</i>	<i>\$0.02270</i>
<i>MPC-2 Commercial Industrial</i>	<i>Secondary</i>	<i>\$0.02320</i>
<i>MPC-2 Commercial Industrial</i>	<i>Primary</i>	<i>\$0.02270</i>
<i>Large Commercial and Industrial</i>		
<i>MI-1 Industrial Service</i>	<i>Secondary</i>	<i>On Peak kWh: \$0.03330</i>
<i>MI-1 Industrial Service</i>	<i>Primary</i>	<i>On Peak kWh: \$0.03260</i>
<i>MI-1 Industrial Service</i>	<i>Transmission Transformed</i>	<i>On Peak kWh: \$0.03040</i>
<i>MI-1 Industrial Service</i>	<i>Transmission Untransformed</i>	<i>On Peak kWh: \$0.03030</i>
<i>MPC-1 Peak Controlled TOD Service</i>	<i>Secondary</i>	<i>On Peak kWh: \$0.03330</i>
<i>MPC-1 Peak Controlled TOD Service</i>	<i>Primary</i>	<i>On Peak kWh: \$0.03260</i>
<i>MPC-1 Peak Controlled TOD Service</i>	<i>Transmission Transformed</i>	<i>On Peak kWh: \$0.03040</i>
<i>MPC-1 Peak Controlled TOD Service</i>	<i>Transmission Untransformed</i>	<i>On Peak kWh: \$0.03030</i>

(2) Retail Open Access Customer – The Outflow Credit will be determined by the Retail Service Supplier.

Application for Service

In order to participate in the Distributed Generation Program, a customer shall submit completed Interconnection and Distributed Generation Program Applications, including the application fee of \$50 to the Company.

The Distributed Generation Program application fee is waived if the customer is transitioning from the Net Metering Programs (PG-1, PG-2, or PG-3).

If a customer does not act or correspond on an application for over 6 months, when some action is required by the customer, the application may be voided by the Company.

Generator Requirements

The Eligible Electric Generator(s) must be located on the customer's premises, serving only the customer's premises and must be intended primarily to offset a portion or all of the customer's requirement for electricity.

(Continued on Sheet No. D-52.4)

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Sheet No. D-52.4
Sheet No.

DISTRIBUTED GENERATION PROGRAM DG-1 (Cont'd)

Systems will be limited in size, not to exceed the Customer's self-service needs of the Rate Schedule to which this Rider is attached. The customer's requirement for electricity shall be determined by one of the following methods:

(1) The customer's annual energy usage, measured in kWh, during the previous 12-month period

In instances where complete and correct data is not available or where the customer is making changes on-site that will affect total usage, the Company and the customer shall mutually agree on a method to determine the customer's annual electric requirement

The aggregate capacity of Eligible Electric Generators shall be determined by the aggregate projected annual kWh output of the generator(s). The customer is required to provide the Company with a nameplate capacity rating in kW of the generating unit and a projected monthly and annual Kilowatt-hour output of the generating unit when completing the Company's Distributed Generation Program Application.

The customer need not be the owner or operator of the eligible generation equipment, but is ultimately responsible for ensuring compliance with all technical, engineering and operational requirements suitable for the Company's distribution system.

Generator Interconnection Requirements

The requirements for interconnecting a generator with the Company's facilities are contained in Rule B8., Electric Interconnection and Distributed Generation Standards, the Michigan Electric Utility Generator Interconnection Requirements and the Company's Generator Interconnection Supplement to Michigan Electric Utility Generator Interconnection Requirements. All such interconnection requirements must be met prior to the effective date of a customer's participation in the Distributed Generation Program. The customer must sign an Interconnection and Operating Agreement with the Company and fulfill all requirements as specified in the Agreement. The customer shall pay actual interconnection costs associated with participating in the Distributed Generation Program, subject to limits established by the Michigan Public Service Commission.

The Company must approve in writing any subsequent changes in the interconnection configuration before such changes are allowed. Operating in parallel with the Company's system without the Company's written approval of the interconnection and written approval of any subsequent changes to the interconnection will subject the Customer's equipment to disconnection.

Metering Requirements

Metering requirements shall be specified by the Company, as detailed below. All metering must be capable of recording inflow and outflow and all parameters metered on the customer's otherwise applicable retail rate schedule, for both Full Service and Retail Open Access customers.

(Continued on Sheet No. D-52.5)

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Sheet No. D-52.5
Sheet No.

DISTRIBUTED GENERATION PROGRAM DG-1 (Cont'd)

Distribution Line Extension and/or Extraordinary Facilities

The Company reserves the right to make special contractual arrangements with Distributed Generation Program customers whose utility service requires investment in electric facilities, as authorized by the Company's Rule Cl .4, Extraordinary Facility Requirements and Charges, Rule Cl .6, General Provisions of Service, and Rule C6., Distribution Systems, Line Extensions and Service Connections, as set out in the Company's Electric Rate Book. The Company further reserves the right to condition a customer's participation in the Distributed Generation Program on a satisfactory completion of any such contractual requirements.

Company Termination of the Distributed Generation Program

Company termination of the Distributed Generation Program may occur upon receipt of Commission approval. Upon Company termination of the Distributed Generation Program, any existing credit on the customer's account will either be applied to the customer's final bill or refunded to the customer. The Company will refund to the customer any remaining credit in excess of the final bill amount. Distributed Generation Program credit is non-transferrable.

Distributed Generation Program Status and Evaluation Reports

The Company will submit an annual status report to the Commission Staff by March 31 of each year including Distributed Generation Program data for the previous 12 months, ending December 31. The Company's status report shall maintain customer confidentiality.

Renewable Energy Credits

Renewable Energy Credits (RECs) are owned by the customer. The Company may purchase Renewable Energy Credits from participating Distributed Generation Program customers who are willing to sell RECs generated if the customer has a generator meter in place to accurately measure and verify generator output. REC certification costs are the responsibility of the customer.

The Company will enter into a separate agreement with the customer for the purchase of any RECs.

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Eau Claire, Wisconsin

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PROOF OF SERVICE

STATE OF MICHIGAN)

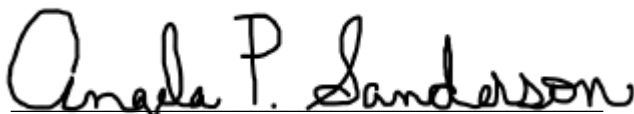
Case No. U-21097

County of Ingham)

Brianna Brown being duly sworn, deposes and says that on March 17, 2022 A.D. she electronically notified the attached list of this **Commission Order via e-mail transmission**, to the persons as shown on the attached service list (Listserv Distribution List).


Brianna Brown

Subscribed and sworn to before me
this 17th day of March 2022.


Angela P. Sanderson
Notary Public, Shiawassee County, Michigan
As acting in Eaton County
My Commission Expires: May 21, 2024

Service List for Case: U-21097

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