



414 Nicollet Mall
Minneapolis, MN 55401

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July 1, 2019

—Via Electronic Filing—

Anne Sell
Minnesota Department of Commerce
85 Seventh Place East, Suite 280
St. Paul, MN 55101

RE: ANNUAL ELECTRIC UTILITY REPORT
DOCKET NO. E999/M-19-11

Dear Ms. Sell:

Northern States Power Company, doing business as Xcel Energy, submits the enclosed 2018 Electric Utility Annual Report required under Minn. Rule 7610.0130. Our Annual Report consists of the enclosed pages as well as individually uploaded live spreadsheets.

Private and Trade Secret Data Justification

This report contains private data on individuals such as the names, addresses, and usage of our largest electric customers. This information is maintained by the Company as private customer data, and for this reason, pursuant to Minn. Stat. §13.679, we have removed this data from the public version of our filing.

Please note that this report also contains Trade Secret information protected by the Minnesota Data Practices Act. That information has economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by other persons and is subject to efforts by the Company to protect the information from public disclosure. Xcel Energy maintains this information as a trade secret based on its economic value from not being generally known and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. For this reason, we ask that the data be treated as non-public data pursuant to Minn. Stat. § 13.37, subd. 1(b).

The forecast purchase and resale energy information has economic value to Xcel Energy, its customers, suppliers, and competitors. Because Xcel Energy competes for purchased energy, fuel and transportation services in a competitive marketplace, disclosure would directly harm Xcel Energy by making its delivered supply costs less competitive. For this reason, pursuant to Minn. Stat. § 13.37, subd. 2, we have removed this data from the public version of our filing.

We have electronically filed this document with the Minnesota Public Utilities Commission. Please feel free to contact me at (612) 330-6935 or gail.baranko@xcelenergy.com if you have any questions regarding this report.

Sincerely,

/s/

GAIL A. BARANKO
MANAGER, REGULATORY PROJECT MANAGEMENT

Enclosures

7610.0320 - Forecast Methodology

NSP Electric – Minnesota Annual Report Peak Demand and Annual Electric Consumption Forecast

OVERALL METHODOLOGICAL FRAMEWORK

Xcel Energy prepared its forecast by major customer class and jurisdiction, using a variety of statistical and econometric techniques. The NSP System serves five jurisdictions. Minnesota, North Dakota and South Dakota are served by Northern States Power Company, a Minnesota corporation (NSP). Wisconsin and Michigan are served by Northern States Power Company, a Wisconsin corporation (NSPW). The overall methodological framework is “model oriented”. The NSP and NSPW Systems operate as an integrated system. The forecast is referred to as the 2018v2.1 Forecast.

SPECIFIC ANALYTICAL TECHNIQUES

1. Econometric Analysis. Xcel Energy used econometric analysis to develop jurisdictional MWh sales forecasts at the customer meter for the following sectors (exceptions to this are noted in bullet 2):
 - a. Residential without Space Heating;
 - b. Residential with Space Heating;
 - c. Small Commercial and Industrial;
 - d. Large Commercial and Industrial (Minnesota only);
 - e. Public Street and Highway Lighting (Minnesota only);
 - f. Sales to Public Authorities (Minnesota only).Xcel Energy also used econometric analysis to develop the total system MW peak demand forecast.
2. Trend analysis was used for all other sectors, which includes North Dakota, South Dakota, Wisconsin and Michigan Large Commercial and Industrial; North Dakota, South Dakota, Wisconsin and Michigan Public Street and Highway Lighting; North, Dakota, South Dakota, Wisconsin and Michigan Other Sales to Public Authorities; and Interdepartmental sales (all jurisdictions).
3. Loss Factor Methodology. Loss factors by jurisdiction were used to convert the sales forecasts into system energy requirements (at the generator).
4. Judgment. Judgment is inherent to the development of any forecast. Whenever possible, Xcel Energy used quantitative models to structure its judgment in the forecasting process.

The sales forecasts are estimates of MWh levels measured at the customer meter. They do not include line or other losses. The various jurisdictional class forecasts are summed to yield the total system sales forecast. Native energy requirements are measured at the generator and include line and other losses. Xcel Energy creates native energy requirements based on the sales forecasts. A system loss factor for each jurisdiction, developed based on average historical losses, is applied to the sales forecast to calculate total losses. The sum of the MWh sales and the MWh losses equals the native energy requirements. The native energy requirements, along with peak producing weather and binary variables, then are used as independent variables within an econometric model to forecast MW peak demand for the

Xcel Energy North System.

MODELS USED

1. ***Residential Econometric Models.*** Sales to the residential sectors represent 29.7% of total NSP System electric sales in 2018. Residential sales are divided into with space heating and without space heating customer classes for Minnesota, North Dakota, and South Dakota. Econometric regression models using historical data are developed for each residential sector. A variety of independent variables are used in the models, including:
 - Number of customers;
 - Real Personal Income or Real Personal Income per Capita for respective jurisdiction;
 - Gross State Product;
 - Total Employment for respective jurisdiction;
 - Price of oil (WTI crude);
 - Actual heating and temperature humidity index (THI) degree days;
 - Number of monthly billing days;
 - Price of electricity (\$/kWh).
2. ***Small Commercial and Industrial Econometric Models.*** The small commercial and industrial sector represents 43.7% of NSP System electric sales in 2018. The models are econometric regressions using historical data. The models include a combination of variables, including the following:
 - Number of small commercial and industrial customers;
 - Gross Metro Product for respective jurisdiction;
 - Gross State Product (North Dakota only);
 - Employment for respective jurisdiction;
 - Real Personal Income per Capita for respective jurisdiction;
 - Actual heating and temperature humidity index (THI) degree days;
 - Number of monthly billing days.
3. ***Large Commercial and Industrial Econometric Model.*** Sales to the large commercial and industrial sector represent 26.0% of NSP System electric sales in 2018. The regression model uses historical data and the following explanatory variables:
 - U.S. Industrial Production Index;
 - Number of monthly billing days.
4. ***Others.*** Sales to the “Others” sector represent 0.6% of NSP System electric sales in 2018. This sector includes Public Street and Highway Lighting (PSHL), Sales to Public Authorities (OSPA) and Interdepartmental (IDS) sales. Regression models are used to estimate sales for the PSHL and OSPA classes (Minnesota only), using historical data and a combination of variables, including the following:
 - Number of customers;
 - Population for Minneapolis St. Paul MSA;
 - Number of monthly billing days.
5. ***Municipals.*** As of 2014 there are no longer any municipal customers for whom NSP or NSPW provides firm service.

6. **Peak Demand Model.** An econometric model is developed to forecast base peak demand for the entire planning period. The model includes a combination of variables, including the following:
- Weather normalized native energy requirements;
 - Peak producing weather by month.

METHODOLOGY STRENGTHS AND WEAKNESSES

The strength of the process Xcel Energy used for this forecast is the richness of the information obtained during the analysis. Xcel Energy's econometric forecasting models are based on sound economic and statistical theory. Historical modeling and forecast drivers are based on economic and demographic variables that are easily measured and analyzed. The use of models by class and jurisdiction gives greater insight into how the NSP System is growing, thereby providing better information for decisions to be made in the areas of generation, transmission, marketing, conservation, and load management.

With respect to accuracy, forecasts of this duration are inherently uncertain. Planners and decision makers must be keenly aware of the inherent risk that accompanies long-term forecasts. They must also develop plans that are robust over a wide range of future outcomes.

DATA FOR FORECASTS

Data Definitions

The following is a list of definitions of the variables used in Xcel Energy's econometric models.

Jurisdiction Abbreviations

M or MN	State of Minnesota
N or ND	State of North Dakota
S or SD	State of South Dakota
W or WI	State of Wisconsin
Mi or MI	State of Michigan

Monthly MWh Sales Series

SLS_Reswo(Juris)	Residential without space heating for given jurisdiction
SLS_ResSH(Juris)	Residential with space heating for given jurisdiction
SLS_SmCI(Juris)	Small commercial and industrial for given jurisdiction
SLS_LgCI(Juris)	Large commercial and industrial for given jurisdiction

Monthly Customer Series

Cust_Reswo(Juris)	Residential without space heating for given jurisdiction
Cust_ResSH(Juris)	Residential with space heating for given jurisdiction
Cust_SmCI(Juris)	Small commercial and industrial for given jurisdiction
Cust_LgCI(Juris)	Large commercial and industrial for given jurisdiction

Monthly Economic and Demographic Series

HH_(Juris)	Number of Households in given jurisdiction
NR_(Juris)	Total Population in given jurisdiction
CGMP_(MSA)	Real Gross Metro Product for given metropolitan statistical area
CGSP_(State)	Real Gross State Product for given state
EE_(Juris)	Total employment in given jurisdiction
EEMFG_(Juris)	Manufacturing employment in given jurisdiction
CYP_(Juris)	Real Personal Income in given jurisdiction
CYPNR_(Juris)	Real per capita Personal Income in given jurisdiction
(Juris)TotRes_RAP	Real Average Price for electric sales to residential customers

Monthly Data Variables used in Demand Model

THI12(Month)Cust	Temperature Humidity Index @12:00 noon multiplied by total retail customers
THI15(Month)Cust	Temperature Humidity Index @15:00 (3:00 PM) on the peak day multiplied by total retail customers
HDD(Season)	Normal Heating Degree Days on the day of the Peak multiplied by a binary variable for the season (winter – Wtr, shoulder month – sh)
WNActEnergy_LpYrAdj_12MoSum	12 month rolling sum of the weather normalized net energy requirements adjusted to remove the effect of leap years

Monthly Weather Variables

H65_bill (Juris) (Month)	HDD base 65 for given jurisdiction and month
T65_bill (Juris) (Month)	THI DD base 65 for given jurisdiction and month

Other Monthly Variables

BillDaysCellnet21	Billing Month Days
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Monthly Binary Variables

Jan	Binary variable for the month of January
Feb	Binary variable for the month of February
Mar	Binary variable for the month of March
Apr	Binary variable for the month of April
May	Binary variable for the month of May
Jun	Binary variable for the month of June
Jul	Binary variable for the month of July
Aug	Binary variable for the month of August
Sep	Binary variable for the month of September
Oct	Binary variable for the month of October
Nov	Binary variable for the month of November
Dec	Binary variable for the month of December

Xcel Energy used internal and external data sources to create its MWh sales and MW peak demand forecast.

Historical MWh sales are taken from Xcel Energy's internal company records, fed by its billing system. Historical coincident net peak demand data is obtained through company records. The load management estimate is added to the net peak demand to derive the base peak demand.

Weather data (dry bulb temperature and dew points) were collected from the National Oceanic and Atmospheric Administration for the Minneapolis/St. Paul, Fargo, Sioux Falls, and Eau Claire areas. The heating degree-days and THI degree-days were calculated internally based on this weather data.

Economic and demographic data was obtained from the Bureau of Labor Statistics, U.S. Department of Commerce, and the Bureau of Economic Analysis. Typically they are accessed from IHS Global Insight, Inc. data banks, and reflect the most recent values of those series at the time of modeling.

DEMAND-SIDE MANAGEMENT PROGRAMS

The regression model results for the residential and commercial and industrial classes were reduced to account for the expected impacts of demand-side management (DSM) programs. The DSM methodology implemented for both the State of Minnesota and the State of South Dakota utilizes a transparent method for projecting the impacts of energy efficiency and load management on sales forecasts. There are three distinct steps to this process:

- Collect and calculate historical and current effects of DSM on observed sales
- Project the forecast using observed data with the impact of DSM removed (i.e. increase historical sales to show hypothetical case without DSM)
- Adjust the forecast to show the impact of all current and planned DSM in future years.

The Company's Saver's Switch program results in short-term interruptions of service designed to reduce system capacity requirements rather than permanent reductions in energy use, so it is not considered here.

Adjustments equivalent to those made to sales have also been made to the historical monthly energy and peak demand used in the peak demand regression model and to the resulting peak demand forecast.

BEHIND-THE-METER DISTRIBUTED SOLAR GENERATION

In response to the establishment of a Solar Energy Standard (SES) by the Minnesota Legislature an increased emphasis has been placed on distributed solar generation. A forecast of the expected impact on demand and energy has been developed based on new programs designed to meet goals established for the SES. The Minnesota class-level sales forecasts and the system peak demand forecast were adjusted to account for the impacts of customer sited behind-the-meter solar installations on the NSP System. This process of adjusting the sales and peak demand forecasts for behind-the-meter solar generation is similar to the adjustments made for DSM programs. There are three distinct steps to this process:

- Collect and calculate historical and current effects of behind-the-meter solar generation on observed sales and peak demand

- Project the forecast using observed data with the impact of behind-the-meter removed (i.e. increase historical sales to show hypothetical case without behind-the-meter solar generation)
- Adjust the forecast to show the impact of all current and planned behind-the-meter solar generation in future years.

PLUG-IN ELECTRIC VEHICLE CHARGING

The residential sales and peak demand forecasts also are adjusted to account for the increasing use of plug-in electric vehicle charging. The forecast adjustment for the monthly consumption of electricity for electric vehicle charging is based on a model that incorporates the stock of electric vehicles, electricity consumption per vehicle, an adoption rate for this technology, and financial incentives. The peak demand forecast adjustment is based on monthly electric vehicle energy consumption, daily consumption profile, and the time of day the monthly peak hour occurs.

DATA ADJUSTMENTS AND ASSUMPTIONS

1. Weather Adjustments. Xcel Energy adjusted its monthly weather data to reflect billing schedules. Therefore, the monthly weather data corresponds exactly with the billing month schedule.
2. Economic Adjustments. All price data and related economic series were deflated to 2009 constant dollars.
3. Large Customer Adjustments. The large commercial and industrial sales model results have been adjusted to account for announced changes in operations for large customers.

ASSUMPTIONS AND SPECIAL INFORMATION

Xcel Energy believes that its process is a reasonable and workable one to use as a guide for its future energy and load requirements. The underlying assumptions used to prepare Xcel Energy's median forecast are as follows:

1. Demographic Assumption. Population or household projections are essential in the development of the long-range forecast. The forecasts of customers are derived from population and household projections provided by IHS Global Insight, Inc., and reviewed by Xcel Energy staff. Xcel Energy customer growth mirrors demographic growth over the forecast period.
2. Weather Assumption. Xcel Energy assumed "normal" weather in the forecast horizon. Normal weather is defined as the average weather pattern over the 20-year period from 1998-2017. The variability of weather is an important source of uncertainty. Xcel Energy's energy forecasts are based on the assumption that the normal weather conditions will prevail in the forecast horizon. Weather-related demand uncertainties are not treated explicitly in this forecast.
3. Loss Factor Assumptions. The loss factors are important to convert the sales forecast to energy requirements. Xcel Energy uses a historical average loss factor for each jurisdiction, and assumes it will not change in the future.

FORECAST COORDINATION

Xcel Energy reports its energy and peak demand forecasts to the Midwest ISO (MISO). MISO then combines the forecasts of all its member utilities. Xcel Energy also reports its forecast to the Public Service Commission of Wisconsin as part of its Strategic Energy Assessment (SEA) process. In this process, the Wisconsin portion of the total Xcel Energy System load is combined with other Wisconsin electric utilities to form a statewide Wisconsin forecast.

7610.0410 – Future Facility Additions

7610.0420 – Future Facility Retirements

The Company's most recent, completed, Resource Plan (Docket No. E002/RP-15-21) was approved by Minnesota Public Utilities Commission (MPUC or the Commission) through an Order issued January 11, 2017. The next Resource Plan will be filed on July 1, 2019.

The Order to close the 2016-2030 Upper Midwest Resource Plan docket identified it reasonable to acquire 1000 MW of wind resources, manage solar acquisition to 650 MW between 2016-2021 through Community Solar Gardens and other acquisitions, retire Sherco units 1 & 2 in 2026 and 2023, respectively, identified a need for an additional 750 MW of intermediate capacity in 2026, and acquire an additional 400 MW of demand response by 2023.

The Company fulfilled the Ordered wind with the acquisition of resources through ownership and power purchase agreements. On September 22, 2016, the Company issued a Request For Proposals (RFP) for 1000 MW wind resources. The Company filed petitions (Docket No. E002/M-16-777, E002/M-17-694) to build, own, and operate an additional 1850 MW wind. These resources will achieve Commercial Operation between 4th quarter of 2019 and 4th quarter of 2021. Orders granting approval were received from the Minnesota Commission in September 2017 and May 2018, respectively.

Project	Fuel	Size	COD	Location	Type
Blazing Star 1	Wind	200 MW	2019	Lincoln County, MN	Self-Build
Blazing Star II	Wind	200 MW	2020	Lincoln County, MN	Self-Build
Foxtail	Wind	150 MW	2019	Dickey County, ND	Self-Build
Freeborn	Wind	200 MW	2020	Freeborn County, MN and Worth & Mitchell Counties, IA	Self-Build
Crowned Ridge	Wind	300 MW	2019	Codington County, SD	PPA
Crowned Ridge	Wind	300 MW	2019	Codington County, SD	BOT
Lake Benton	Wind	100 MW	2019	Pipestone County, MN	BOT
Clean Energy #1	Wind	100 MW	2019	Mercer & Morton Counties, ND	PPA
Dakota Range	Wind	300 MW	2021	Watertown, SD	Self-Build

Note: The Wind Petitions (Docket Nos. E002/M-16-777 and E002/M-17-694) provide additional information regarding these resources, including accredited capacity value, accredited capacities and production, and estimated costs.

The Company is on track to fulfill the Ordered solar acquisition through the Community Gardens (CSG) program. As of June 3, 2019, 559 MW of CSG

resources are connected. The program forecasts exceed 650 MW by 2019 year end.

The 2019 Review of Remaining Lives (Docket No. E,G002/D-19-161) – an annual review of the remaining lives depreciation of its electric and gas production and gas storage facilities service lives and salvage rates – updated the Remaining Life forecast for all Northern States Power Company – Minnesota (NSPM) units. This remaining life is associated with Financial End of Life for rate making purposes. Projections for the 2019-2029 timeframe are listed below. This is a tentative schedule, subject to change, pending the outcome of future Annual Review of Remaining Lives filings and the next Resource Plan filing.

Projected Plant Retirements*			
Year	Unit/Site	Size (MW)**	Fuel Type
2019	Granite City	47	Natural Gas
2019	Bayfront 4	20	Natural Gas
2023	Blue Lake Units 1 thru 4	160	Oil
2024	Sherco Unit 2	765	Coal
2026	Wheaton	250	Oil/Natural Gas
2027	Sherco Unit 1	765	Coal
2027	Inver Hills	281	Natural Gas
2028	Red Wing	23	Refused Derived Fuel (RDF)
2028	Wilmarth	25	Refused Derived Fuel (RDF)

Notes:

* Years indicated represent the financial end-of-life as identified in the above referenced Remaining Lives docket. Financial end-of-life dates may be adjusted to coincide with the MISO Planning Year, ending May 31st.

** Size represents nameplate or contracted value of the resource.

The following list outlines current Power Purchase Agreements (PPA) and their scheduled termination dates.

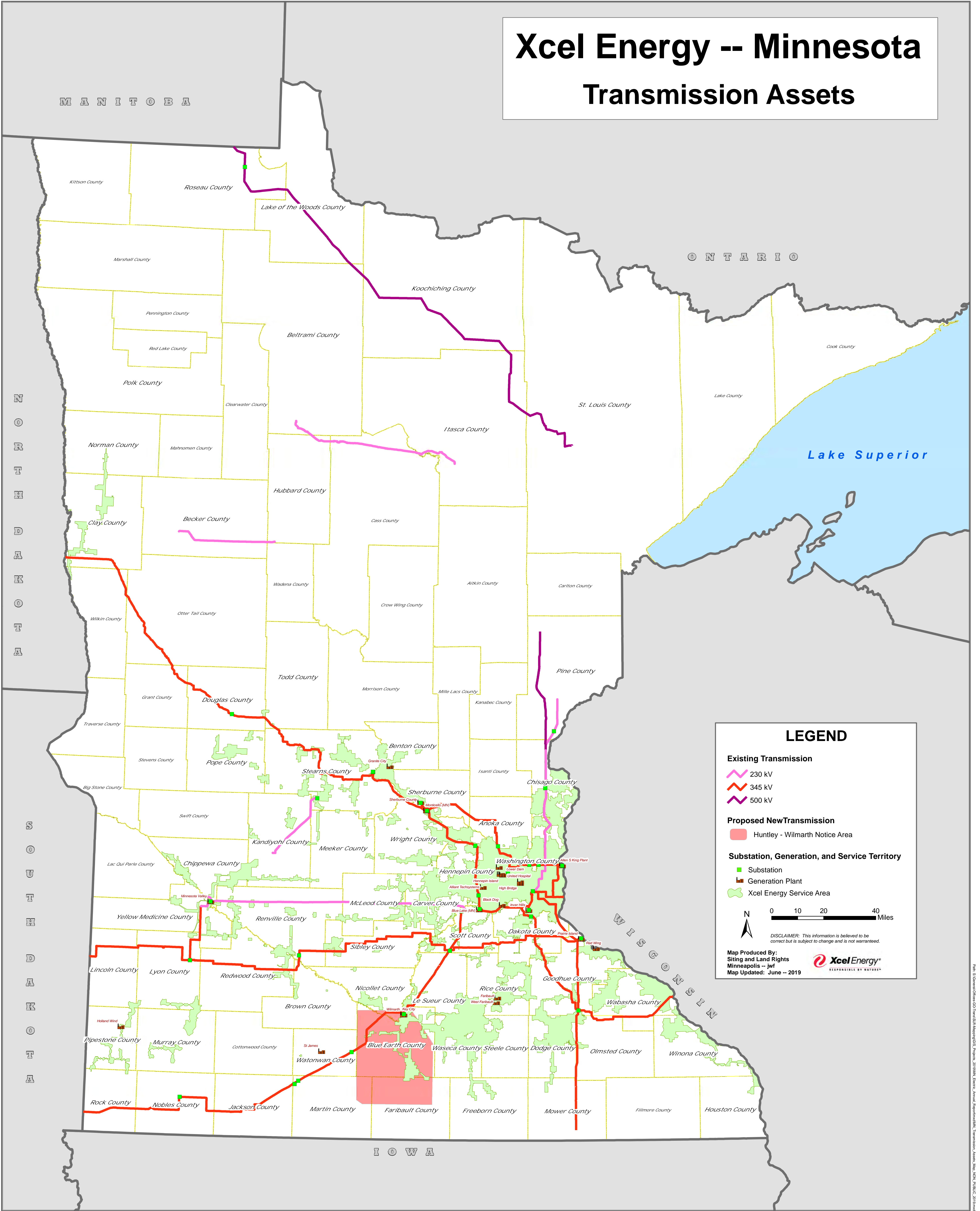
Projected PPA Retirements			
Year	Unit/Site	Size (MW)**	Fuel Type
2019	Koda/Rahr	12	Biomass
2019	Renewable PPAs	24	Renewable
2020	Manitoba Hydro	73	Hydro
2020	Renewable PPAs	1	Renewable
2021	Renewable PPAs	1	Renewable
2022	Renewable PPAs	7	Renewable
2023	Renewable PPAs	22	Renewable

2023	St. Paul CoGen	25	Biomass
2024	Renewable PPAs	13	Renewable
2025	Renewable PPAs	21	Renewable
2025	Manitoba Hydro	827	Hydro
2025	Invenergy	312	Natural Gas
2026	Mankato 1*	277	Natural Gas
2026	Renewable PPAs	10	Renewable
2027	Renewable PPAs	44	Renewable
2028	LS Power	235	Natural Gas
2028	Renewable PPAs	7	Renewable
2029	Renewable PPAs	17	Renewable

*Termination year may change pending a decision in MPUC Docket No. IP6949,E002/PA-18-702 regarding the proposed acquisition.

Xcel Energy proposes to fulfill future electric generating resource needs through our resource planning process and subsequent resource acquisition processes. The specific generation technology, location of future generation facilities, and mix of utility-owned, PPAs, and other resources are subject to approval by the Commission.

Xcel Energy -- Minnesota Transmission Assets



LEGEND

Existing Transmission

- 230 kV
- 345 kV
- 500 kV

Proposed New Transmission

- Huntley - Wilmarth Notice Area

Substation, Generation, and Service Territory

- Substation
- Generation Plant
- Xcel Energy Service Area

0 10 20 40 Miles

DISCLAIMER: This information is believed to be correct but is subject to change and is not warranted.

Map Produced By:
Siting and Land Rights
Minneapolis -- jw
Map Updated: June -- 2019

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Information Sheet

Minnesota



2019 Minnesota Communities Served by Xcel Energy

U = Unincorporated **E = Electricity only** **G = Gas only** **EG = Electricity and Gas** **W = Wholesale**

A Ada W	Bergen Township E	Castle Rock Township E	Corcoran E
Afton EG	Bernadotte Township E	Center City EG	Cordova Township EG
Albany E	Big Lake EG	Centerville EG	Corinna Township E
Albany Township E	Big Lake Township E	Champlin E	Cornish Township E
Albertville E	Birch Cooley Township E	Chandler E	Cosmos EG
Alma City UE	Birchwood EG	Chanhasen E	Cosmos Township EG
Almelund UEG	Bird Island E	Chaska E	Cottage Grove EG
Alton Township E	Bird Island Township E	Cherry Grove Township E	Cottonwood E
Altura E	Blaine EG	Chester Township E	Courtland E
Amador Township EG	Blakely Township E	Chickamaw Beach G	Courtland Township E
Annandale E	Blomkest E	Chippewa County E	Credit River Township E
Anoka County EG	Blooming Grove Township E	Chisago City EG	Crosslake G
Apple Valley E	Bloomington E	Chisago County EG	Crow Lake Township E
Arden Hills EG	Blue Earth County EGW	Chisago Lake Township EG	Crow Wing County UG
Arlington Township E	Blue Hill Township EG	Circle Pines E	Crystal E
Ashland Township E	Bombay UE	Clara City E	Currie E
Atwater E	Bongards UE	Claremont E	D Dahlgren E
Averill UE	Borup E	Claremont Township E	Dakota E
Avon E	Brainerd G	Clarkfield E	Dakota County EG
Avon Township E	Breezy Point G	Clarks Grove E	Danube E
B Baker UE	Bridgewater Township E	Clay County EG	Danville Township E
Balaton E	Briggs Lake G	Clear Lake EG	Darwin G
Baldwin Township G	Brighton Township E	Clear Lake Township E	Darwin Township G
Bancroft Township E	Brockway Township EG	Clearwater EG	Dassel EG
Barclay Township G	Brooklyn Center E	Clements E	Dassel Township EG
Barnesville Township*** G	Brooklyn Park E	Cleveland EG	Dayton E
Bath Township E	Brooten E	Cleveland Township G	Deephaven E
Baxter G	Brownnton E	Clinton Falls UE	Deerfield Township E
Bayport EG	Brown County E	Clinton Falls Township E	Delano EGW
Baytown Township EG	Buffalo EGW	Coates E	Delavan Township E
Beauford UE	Buffalo Lake E	Cobden E	Delhi E
Beauford Township E	Buffalo Township EG	Cokato E	Dellwood EG
Becker EG	Burnsville E	Cokato Township E	Denmark Township EG
Becker Township E	Butterfield E	Cold Spring E	Dennison E
Belgrade E	Byron E	Collegeville EG	Dilworth EG
Belle Creek Township E	C Camden Township E	Collins Township E	Dodge Center E
Belle Plaine E	Canisteo Township E	Collinwood Township EG	Dodge County E
Belle Plaine Township E	Cannon City UE	Cologne E	Douglas County E
Bellechester E	Cannon City Township E	Columbia Heights E	Dresbach UE
Bellevue Township G	Cannon Falls E	Columbus Township EG	Dresbach Township E
Belvidere Township E	Cannon Falls Township E	Comstock E	Dryden Township E
Belview E	Carver E	Concord UE	Dundas EG
Benton County EG	Carver County EG	Concord Township E	
Benton Township E	Cass County G	Coon Rapids E	

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2019 Minnesota Communities Served by Xcel Energy

Information Sheet

Minnesota

U = Unincorporated E = Electricity only G = Gas only EG = Electricity and Gas W = Wholesale

E Eagan G	G Garden City Township E	Hastings E	Kellogg E
Eagle Lake E	Garvin E	Hatfield E	Kenyon Township EW
East Bethel EG	Gaylord E	Haven Township EG	Kilkenny E
East Grand Forks* GW	Gem Lake EG	Hawk Creek Township E	Kilkenny Township E
East Gull Lake G	Gibbon E	Hay Creek Township EG	Kimball E
Echo E	Gillford Township E	Hayfield E	Kingston E
Echo Township E	Gilmanton Township E	Hector E	Kingston Township E
Eden Lake Township E	Glasgow Township E	Helen Township E	Krain Township E
Eden Prairie E	Glencoe EW	Helena Township E	L La Crescent E
Eden Valley E	Glencoe Township E	Henderson E	La Crescent Township E
Edgerton E	Glenwood E	Hennepin County EG	Lac Qui Parle County E
Edina E	Glenwood Township E	Hillsdale Township E	Lafayette E
Edwards Township E	Glyndon EG	Hilltop E	Lake City EGW
Elba E	Glyndon Township E	Hitterdal G	Lake Crystal W
Elko New Market E	Golden Valley E	Hokah E	Lake Edward Township G
Ellington Township E	Good Thunder E	Holding Township E	Lake Elmo EG
Ellsworth Township G	Goodhue E	Holdingford EG	Lake Henry E
Elmwood Township E	Goodhue County EG	Holland E	Lake Henry Township E
Elysian EG	Goodhue Township E	Holland Township E	Lake Lillian E
Elysian Township EG	Goodview* EG	Hollywood Township E	Lake Lillian Township E
Empire E	Gordon Township E	Holy Cross Township E	Lake Shore G
Essig UE	Grafton Township E	Homer Township EG	Lake St. Croix Beach E
Evan E	Granite Falls Township EW	Hopkins E	Lake Township EG
Excelsior E	Grant EG	Houston County E	Lake Washington G
F Fairfield G	Grant Township G	Howard Lake E	Lake Wilson E
Fairview Township G	Green Isle EG	Hugo EG	Lakeland EG
Falcon Heights EG	Green Isle Township EG	Hyde Park Township E	Lakeland Shores EG
Faribault EG	Green Lake UEG	I Ideal Township G	Laketown Township E
Faribault County E	Greenfield E	Ihlen E	Lakeville E
Farmington EG	Greenfield Township E	Independence EG	Landfall EG
Faxon Township E	Greenvale Township E	Inver Grove Heights EG	Lanesburgh Township E
Featherstone Township E	Greenwald EG	Iona E	Lauderdale EG
Felton E	Greenwood E	Iosco Township E	Le Sauk Township EG
Fifty Lakes G	Grey Cloud Island Township EG	Irving Township EG	Le Sueur County EG
Fletcher E	Grove Township E	Isanti G	LeHillier E
Florence E	H Hadley E	Isanti County G	Lemond Township E
Florence Township E	Hale Township E	J Jackson Township EG	Lent Township EG
Foley EG	Ham Lake G	Jamestown Township E	LeRay Township E
Forest Lake EG	Hamburg EG	Janesville EW	Lester Prairie E
Forest Lake Township EG	Hamel UE	Janesville Township E	Leven Township E
Fort Snelling E	Hammond E	Jasper E	Lexington E
Franconia Township EG	Hampton E	Jenkins G	Lilydale EG
Franklin E	Hampton Township E	Jenkins Township G	Lime Township E
Franklin Township EG	Hancock E	Jessenland Township E	Lincoln Township E
Freeborn County E	Hanley Falls E	Jordan E	Lindstrom EG
Freedom Township E	Hanover E	K Kalmar Township E	Lino Lakes EG
Freeport E	Hartland E	Kandiyohi County EG	Linwood Township EG
Fridley E	Hartland Township E	Kandiyohi Township G	Little Canada EG
Frontenac UE	Hassan Township E	Kandiyohi G	Long Beach E
		Kasota Township EW	Long Lake E
		Kasson W	Lonsdale E

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2019 Minnesota Communities Served by Xcel Energy

Information Sheet

Minnesota

U = Unincorporated E = Electricity only G = Gas only EG = Electricity and Gas W = Wholesale

Loon Lake Township G	Milton Township E	New Sweden Township E	Pine Springs EG
Loretto E	Minden Township EG	New Ulm W	Pipestone E
Louisville Township G	Minneapolis E	Newport EG	Pipestone County E
Lowry E	Minneapolis–St. Paul International Airport E	Nicollet E	Plato E
Lura Township E	Minneiska E	Nicollet County E	Pleasant Hill Township EG
Luxemburg Township E	Minneola Township E	Nicollet Township E	Pleasant Lake G
Lydia UE	Minnesota City EG	Nininger Township E	Plymouth E
Lynden Township EG	Minnesota Falls Township E	Nisswa G	Point Douglas Park E
Lyon County E	Minnesota Lake E	Nobles County G	Polk County G
Lyra Township E	Minnetonka E	Nodine UE	Pope County E
M Madelia W	Minnetonka Beach E	Norman County E	Princeton G
Madison Lake EG	Minnetrista EG	North Branch EG	Prinsburg E
Mahtomedi EG	Minnewaska Township E	North Branch Township G	Prior Lake E
Maine Prairie Township E	Moltke Township E	North Mankato E	R Ramsey County EG
Manchester E	Montevideo E	North Oaks EG	Randolph E
Manhattan Beach G	Monticello E	North St. Paul G	Randolph Township E
Mankato E	Monticello Township E	Northfield EG	Rapidan UE
Mankato Township E	Montrose EG	Northfield Township E	Raymond E
Mantorville E	Moorhead EG	Norwood Young America E	Reads Landing UE
Mantorville Township E	Moorhead Township G	O Oak Center UE	Red Wing EG
Maple Grove E	Morgan E	Oak Park Heights EG	Redwood County E
Maple Lake E	Morgan Township E	Oak Township E	Redwood Falls W
Maple Plain E	Morrison County G	Oakdale EG	Regal E
Mapleton E	Morristown E	Oaklawn Township G	Renville E
Mapleton Township E	Morristown Township E	Oakport Township EG	Renville County E
Maplewood EG	Morton E	Oakwood Township E	Rheiderland Township E
Marine on St. Croix EG	Mound E	Olmsted County E	Rice EG
Marshall W	Mounds View EG	Orono E	Rice County EG
Marysville Township EG	Mountain Lake W	Orrock Township G	Rich Valley E
May Township EG	Mount Pleasant Township EG	Osakis E	Richfield E
Mayer E	Mount Vernon Township E	Oshawa Township E	Richmond E
Mazeppa E	Mower County E	Osseo E	Ridgeway UE
Mazeppa Township E	Munson Township E	Otisco UE	Robbinsdale E
McLeod County E	N Navarre E	Otsego E	Rock County E
McPherson Township EG	Nerstrand E	Ottawa Township E	Rockford E
Medford E	New Auburn E	Otter Tail County G	Rockford Township EG
Medford Township E	New Brighton EG	Owatonna E	Rockville EG
Medicine Lake E	New Germany E	Oxford Township G	Rogers E
Medina E	New Hartford Township E	P Palmer Township G	Rollingstone EG
Medo Township E	New Haven Township E	Paxton Township E	Rollingstone Township E
Meeker County EG	New Hope E	Paynesville E	Roscoe E
Meire Grove E	New London EG	Paynesville Township E	Roscoe Township E
Melrose W	New London Township EG	Pelican Township G	Roseland UE
Mendota EG	New Market Township E	Pemberton E	Rosemount EG
Mendota Heights EG	New Munich E	Pepin Township E	Roseville EG
Meriden UE	New Prague E	Pequot Lakes G	Royalton G
Meriden Township E	New Richland E	Pillager** G	Ruthton E
Middleville Township G	New Richland Township E	Pine Island E	S Sabin E
Mille Lacs County G	New Scandia Township EG	Pine Island Township E	Sacred Heart E
Millville E		Pine River G	Sacred Heart Township E
		Pine River Township G	Salem Township E

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2019 Minnesota Communities Served by Xcel Energy

Information Sheet

Minnesota

U = Unincorporated E = Electricity only G = Gas only EG = Electricity and Gas W = Wholesale

San Francisco Township E	St. Cloud EG	V Vadnais Heights EG	Webster Township E
Sand Creek Township E	St. James W	Vermillion E	Wegdahl UE
Santiago G	St. Joseph EG	Vermillion Township E	Welch Township E
Sartell EG	St. Joseph Township E	Veseli UE	Wells Township E
Sauk Center W	St. Lawrence Township E	Victor Township EG	West Concord E
Sauk Rapids EG	St. Louis Park E	Victoria E	West Lakeland Township EG
Sauk Rapids Township E	St. Martin E	Villard E	West St. Paul EG
Savage E	St. Mary Township E	W Wabasha EG	West Union E
Scandia UEG	St. Mary's Point E	Wabasha County EG	Westport E
Scott County EG	St. Michael EG	Waconia E	Westport Township E
Sedan E	St. Paul EG	Waconia Township E	Wheatland Township E
Severence Township E	St. Paul Park EG	Wacouta Beach UE	Wheeling Township E
Shafer EG	St. Peter W	Wacouta Township EG	White Bear Lake EG
Shafer Township EG	St. Stephen G	Waite Park EG	White Bear Lake Township E
Shakopee EG	St. Wendell Township G	Wakefield Township E	White Bear Township EG
Sherburne County EG	Stacy EG	Walcott Township E	Wilken County E
Sherman Township E	Stanton UE	Walden G	Willernie EG
Shieldsville Township E	Stanton Township E	Waldorf E	Wilson UEG
Shoreview EG	Starbuck E	Waltham E	Wilton Township E
Shorewood E	Stearns County EG	Waltham Township E	Windom W
Sibley County EG	Steele County E	Wanamingo E	Winona EG
Sibley Township EG	Sterling Township E	Wanamingo Township E	Winona County EG
Silver Lake E	Stewart E	Warsaw UEG	Winona Township E
Skyberg UE	Stillwater EG	Warsaw Township EG	Winsted E
Skyline E	Stillwater Township EG	Waseca EW	Winsted Township E
Slayton E	Stockholm Township E	Waseca County E	Witoka UE
Sleepy Eye W	Stoneham Township E	Washington County EG	Wolverton E
Smiths Mill UE	Stony Run Township E	Washington Lake Township EG	Wood Lake E
South Bend UE	Sumter Township E	Washington Township G	Wood Lake Township E
South Bend Township E	Sunfish Lake EG	Wasioja UE	Woodbury EG
South Haven E	Sunrise UEG	Wasioja Township E	Woodland E
South St. Paul EG	Sunrise Township EG	Watab Township EG	Woodland Township EG
Southside Township E	Swedes Forest Township E	Waterford UEG	Woodstock E
Sparta Township E	Sylvan Township** G	Watertown EG	Woodville Township E
Spencer Brook Township G	T Taylors Falls EG	Watertown Township EG	Wright County EG
Spicer EG	Timothy Township G	Waterville E	Wyanett Township G
Spring Hill E	Todd County E	Waterville Township E	Wyoming EG
Spring Lake Park E	Tonka Bay E	Watkins E	Wyoming Township EG
Spring Lake Township E	Tracy E	Watsonwan County E	Y Yellow Medicine County E
Spring Park E	Trosky E	Watopa Township E	Young America Township E
Springfield W	Tunsberg Township E	Watson E	Z Zimmerman G
St. Anthony Village E	Tyrone Township E	Waverly EG	Zion Township E
St. Augusta EG	U Ulen G	Wayzata E	Zumbro Falls E
St. Bonifacius E	Union Grove Township E	Weaver UE	Zumbrota E
St. Clair EG		Webster UE	Zumbrota Township E

Communities served based on tariff sheets on file with the Minnesota Public Utilities Commission. Minnesota Electric Rate Book, MPUC No. 2, Sheet Nos. 3-1 through 3-8, effective 11-01-15, and Minnesota Gas Rate Book, MPUC No. 2, Proposed Sheet Nos. 3-1 through 3-3, effective 11-01-14.



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7610.0600 E
Electric Rate Schedules

**Electric Rate Schedules
June 1, 2018 – June 1, 2019**

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

**RATE SCHEDULES
TABLE OF CONTENTS**

Section No. 5
11th Revised Sheet No. TOC-1

<u>Item</u>	<u>Sheet No.</u>	
<u>RESIDENTIAL</u>		
Residential	5-1	
Residential Time of Day	5-2	
Residential Time of Use Pilot Program Service	5-4.1	N
Residential Electric Vehicle Service	5-5	
Residential Electric Vehicle Pilot Service	5-7	
Energy Controlled (Non-Demand Metered).....	5-9	
Limited Off Peak	5-11	
Rules for Application of Residential Rates	5-13	
Automatic Protective Lighting.....	5-14	
<u>GENERAL</u>		
Small General	5-21	
Small General Time of Day (Metered and Non-Metered).....	5-23	
General	5-26	
General Time of Day	5-29	
Peak Controlled	5-40	
Peak Controlled Time of Day	5-44	
Rules for Application of Peak Controlled.....	5-48	
Real Time Pricing.....	5-64	
<u>MUNICIPAL</u>		
Light Rail Line Tariff	5-71	
Street Lighting System	5-74	
Street Lighting Energy (Closed).....	5-76	
Street Lighting Energy (Metered)	5-78	
Street Lighting City of St. Paul	5-80	
Rules for Application of Street Lighting Rates	5-82	
Small Municipal Pumping.....	5-85	
Municipal Pumping.....	5-87	
Fire and Civil Defense Siren	5-89	

(Continued on Sheet No. TOC-2)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

RATE SCHEDULES
TABLE OF CONTENTS

Section No. 5
10th Revised Sheet No. TOC-1

<u>Item</u>	<u>Sheet No.</u>	
<u>RESIDENTIAL</u>		
Residential	5-1	T
Residential Time of Day	5-2	
Residential Electric Vehicle Service	5-5	T
Residential Electric Vehicle Pilot Service	5-7	N
Energy Controlled (Non-Demand Metered).....	5-9	T
Limited Off Peak	5-11	
Rules for Application of Residential Rates	5-13	
Automatic Protective Lighting.....	5-14	
<u>GENERAL</u>		
Small General	5-21	
Small General Time of Day (Metered and Non-Metered).....	5-23	
General	5-26	
General Time of Day	5-29	
Peak Controlled	5-40	
Peak Controlled Time of Day	5-44	
Rules for Application of Peak Controlled	5-48	
Real Time Pricing.....	5-64	
<u>MUNICIPAL</u>		
Light Rail Line Tariff	5-71	
Street Lighting System	5-74	
Street Lighting Energy (Closed).....	5-76	
Street Lighting Energy (Metered).....	5-78	
Street Lighting City of St. Paul	5-80	
Rules for Application of Street Lighting Rates	5-82	
Small Municipal Pumping.....	5-85	
Municipal Pumping.....	5-87	
Fire and Civil Defense Siren	5-89	T

(Continued on Sheet No. TOC-2)

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

**RATE SCHEDULES
TABLE OF CONTENTS**

Section No. 5
9th Revised Sheet No. TOC-1

<u>Item</u>	<u>Sheet No.</u>
<u>RESIDENTIAL</u>	
1. Residential	5-1
2. Residential Time of Day	5-2
3. Residential Electric Vehicle Service	5-5
4. Energy Controlled (Non-Demand Metered)	5-9
5. Limited Off Peak	5-11
6. Rules for Application of Residential Rates	5-13
7. Automatic Protective Lighting	5-14
<u>GENERAL</u>	
8. Small General	5-21
9. Small General Time of Day (Metered and Non-Metered)	5-23
10. General	5-26
11. General Time of Day	5-29
12. Peak Controlled	5-40
13. Peak Controlled Time of Day	5-44
14. Rules for Application of Peak Controlled	5-48
15. Real Time Pricing	5-64
<u>MUNICIPAL</u>	
16. Light Rail Line Tariff	5-71
17. Street Lighting System	5-74
18. Street Lighting Energy (Closed)	5-76
19. Street Lighting Energy (Metered)	5-78
20. Street Lighting City of St. Paul	5-80
21. Rules for Application of Street Lighting Rates	5-82
22. Small Municipal Pumping	5-85
23. Municipal Pumping	5-87
24. Fire and Civil Defense Siren	5-89

(Continued on Sheet No. TOC-2)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

RATE SCHEDULES
TABLE OF CONTENTS (Continued)

Section No. 5
17th Revised Sheet No. TOC-2

<u>Item</u>	<u>Sheet No.</u>
RIDER	
Fuel Clause Rider	5-91
Conservation Improvement Program Adjustment Rider	5-92
Surcharge Rider.....	5-93
Franchise and Other City Fees	5-93.1
Interim Rate Surcharge Rider	5-94
Low Income Energy Discount Rider	5-95
Residential Controlled Air Conditioning and Water Heating Rider	5-97
Commercial and Industrial Controlled Air Conditioning Rider	5-99
Off Season Load Rider	5-100
Standby Service Rider	5-101
Supplemental Generation Service Rider	5-108
Tier 1 Energy Controlled Service Rider.....	5-115
Revenue Decoupling Mechanism Rider.....	5-117
Area Development Rider.....	5-119
Competitive Response Rider	5-122
Photovoltaic Demand Credit Rider.....	5-125
Tier 1 Peak Controlled Short Notice Rider	5-126
City Requested Facilities Surcharge Rider	5-131
Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider	5-134
WAPA Bill Crediting Program Rider	5-135
Mercury Cost Recovery Rider	5-136
Environmental Improvement Rider.....	5-137
Business Incentive and Sustainability Rider.....	5-139
State Energy Policy Rate Rider.....	5-142
Renewable Development Fund Rider	5-143
Transmission Cost Recovery Rider.....	5-144
Renewable Energy Standard Rider.....	5-146
Voluntary Renewable*Connect Rider.....	5-149
Voluntary Renewable*Connect Government Rider	5-154

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

RATE SCHEDULES
TABLE OF CONTENTS (Continued)

Section No. 5
16th Revised Sheet No. TOC-2

<u>Item</u>	<u>Sheet No.</u>
RIDER	
Fuel Clause Rider	5-91
Conservation Improvement Program Adjustment Rider	5-92
Surcharge Rider	5-93
Franchise and Other City Fees	5-93.1
Interim Rate Surcharge Rider	5-94
Low Income Energy Discount Rider	5-95
Residential Controlled Air Conditioning and Water Heating Rider	5-97
Commercial and Industrial Controlled Air Conditioning Rider	5-99
Off Season Load Rider	5-100
Standby Service Rider	5-101
Supplemental Generation Service Rider	5-108
Tier 1 Energy Controlled Service Rider	5-115
Revenue Decoupling Mechanism Rider	5-117
Area Development Rider	5-119
Competitive Response Rider	5-122
Photovoltaic Demand Credit Rider	5-125
Tier 1 Peak Controlled Short Notice Rider	5-126
City Requested Facilities Surcharge Rider	5-131
Voluntary Renewable and High-Efficiency Energy Purchase (Windsorce Program) Rider	5-134
WAPA Bill Crediting Program Rider	5-135
Mercury Cost Recovery Rider	5-136
Environmental Improvement Rider	5-137
Business Incentive and Sustainability Rider	5-139
State Energy Policy Rate Rider	5-142
Renewable Development Fund Rider	5-143
Transmission Cost Recovery Rider	5-144
Renewable Energy Standard Rider	5-146
Voluntary Renewable*Connect Rider	5-149
Voluntary Renewable*Connect Government Rider	5-154

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

RATE SCHEDULES

TABLE OF CONTENTS (Continued)

Section No. 5
15th Revised Sheet No. TOC-2

<u>Item</u>	<u>Sheet No.</u>
<u>RIDER</u>	
25. Fuel Clause Rider	5-91
26. Conservation Improvement Program Adjustment Rider	5-92
27. Surcharge Rider	5-93
28. Franchise and Other City Fees	5-93.1
29. Interim Rate Surcharge Rider	5-94
30. Low Income Energy Discount Rider	5-95
31. Residential Controlled Air Conditioning and Water Heating Rider	5-97
32. Commercial and Industrial Controlled Air Conditioning Rider	5-99
33. Off Season Load Rider	5-100
34. Standby Service Rider	5-101
35. Supplemental Generation Service Rider	5-108
36. Tier 1 Energy Controlled Service Rider	5-115
37. Revenue Decoupling Mechanism Rider	5-117
38. Area Development Rider	5-119
39. Competitive Response Rider	5-122
40. Photovoltaic Demand Credit Rider	5-125
41. Tier 1 Peak Controlled Short Notice Rider	5-126
42. City Requested Facilities Surcharge Rider	5-131
43. Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider	5-134
44. WAPA Bill Crediting Program Rider	5-135
45. Mercury Cost Recovery Rider	5-136
46. Environmental Improvement Rider	5-137
47. Business Incentive and Sustainability Rider	5-139
48. State Energy Policy Rate Rider	5-142
49. Renewable Development Fund Rider	5-143
50. Transmission Cost Recovery Rider	5-144
51. Renewable Energy Standard Rider	5-146
52. Voluntary Renewable*Connect Rider	5-149
53. Voluntary Renewable*Connect Government Rider	5-154

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL SERVICE
RATE CODE A00, A01, A03

Section No. 5
31st Revised Sheet No. 1

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Standard</u>	<u>Electric Space Heating</u>	
Customer Charge per Month – Water Heating (A00)	\$0.00	N/A	
– Overhead (A01)	\$8.00	\$10.00	
– Underground (A03)	\$10.00	\$12.00	
Energy Charge per kWh			
June - September	\$0.10301	\$0.10301	R
Other Months	\$0.08803	\$0.05988	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-1.1)

Date Filed:	03-15-19	By: Christopher B. Clark	Effective Date:	06-01-19
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL SERVICE
RATE CODE A00, A01, A03

Section No. 5
30th Revised Sheet No. 1

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Standard</u>	<u>Electric Space Heating</u>	
Customer Charge per Month – Water Heating (A00)	\$0.00	N/A	
– Overhead (A01)	\$8.00	\$10.00	
– Underground (A03)	\$10.00	\$12.00	
Energy Charge per kWh			
June - September	\$0.10815	\$0.10815	R
Other Months	\$0.09241	\$0.06287	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-1.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL SERVICE
RATE CODE A00, A01, A03

Section No. 5
29th Revised Sheet No. 1

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Standard</u>	<u>Electric Space Heating</u>	
Customer Charge per Month – Water Heating (A00)	\$0.00	N/A	
– Overhead (A01)	\$8.00	\$10.00	
– Underground (A03)	\$10.00	\$12.00	
Energy Charge per kWh			
June - September	\$0.10582	\$0.10582	R
Other Months	\$0.09032	\$0.06082	R D

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-1.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL SERVICE (Continued)
RATE CODE A00, A01, A03

Section No. 5
9th Revised Sheet No. 1.1

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

REVENUE DECOUPLING MECHANISM RIDER

Bills are subject to the adjustments provided for in the Revenue Decoupling Mechanism Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

LOW INCOME ENERGY DISCOUNT

Energy discount is available to qualified low income customers under this schedule subject to the provisions contained in the Low Income Energy Discount Rider.

OTHER PROVISIONS

This schedule is also subject to provisions contained in Rules for Application of Residential Rates.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF DAY SERVICE
RATE CODE A02, A04**

Section No. 5
31st Revised Sheet No. 2

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Standard</u>	<u>Electric Space Heating</u>	
Customer Charge per Month			
Overhead (A02)	\$10.00	\$12.00	
Underground (A04)	\$12.00	\$14.00	
On Peak Period Energy Charge per kWh			
June - September	\$0.20497	\$0.20497	R
Other Months	\$0.16508	\$0.09284	R
Off Peak Period Energy Charge per kWh			
June - September	\$0.04170	\$0.04170	R
Other Months	\$0.04170	\$0.04170	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-3)

Date Filed:	03-15-19	By: Christopher B. Clark	Effective Date:	06-01-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E,G999/C1-17-895		Order Date:	05-10-19

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF DAY SERVICE
RATE CODE A02, A04**

Section No. 5
30th Revised Sheet No. 2

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Standard</u>	<u>Electric Space Heating</u>	
Customer Charge per Month			
Overhead (A02)	\$10.00	\$12.00	
Underground (A04)	\$12.00	\$14.00	
On Peak Period Energy Charge per kWh			
June - September	\$0.21520	\$0.21520	R
Other Months	\$0.17328	\$0.09748	R
Off Peak Period Energy Charge per kWh			
June - September	\$0.04378	\$0.04378	R
Other Months	\$0.04378	\$0.04378	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-3)

Date Filed:	10-01-18	By: Christopher B. Clark	Effective Date:	01-01-19
		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF DAY SERVICE
RATE CODE A02, A04**

Section No. 5
29th Revised Sheet No. 2

AVAILABILITY

Available to any residential customer for domestic purposes only in a single private residence and qualifying farm customers.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Standard</u>	<u>Electric Space Heating</u>	
Customer Charge per Month			
Overhead (A02)	\$10.00	\$12.00	
Underground (A04)	\$12.00	\$14.00	
On Peak Period Energy Charge per kWh			
June - September	\$0.21096	\$0.21096	R
Other Months	\$0.16968	\$0.09385	R
Off Peak Period Energy Charge per kWh			
June - September	\$0.04260	\$0.04260	R
Other Months	\$0.04260	\$0.04260	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges. D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-3)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL TIME OF DAY SERVICE (Continued)
RATE CODE A02, A04

Section No. 5
12th Revised Sheet No. 3

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

REVENUE DECOUPLING MECHANISM RIDER

Bills are subject to the adjustments provided for in the Revenue Decoupling Mechanism Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

LOW INCOME ENERGY DISCOUNT

Energy discount is available to qualified low income customers under this schedule subject to the provisions contained in the Low Income Energy Discount Rider.

DEFINITION OF PEAK PERIODS

The on peak period is defined as those hours between 9:00 a.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The off peak period is defined as all other hours. Definition of on peak and off peak period is subject to change with change in Company's system operating characteristics.

OPTIONAL TRIAL SERVICE

Customers may elect time of day service for a trial period of three months. If a customer chooses to return to non-time of day service after the trial period, the customer will pay a charge of \$20.00 for removal of time of day metering equipment.

(Continued on Sheet No. 5-4)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL TIME OF DAY SERVICE (Continued)
RATE CODE A02, A04

Section No. 5
6th Revised Sheet No. 4

TERMS AND CONDITIONS OF SERVICE

1. Customer selecting the above time of day rate schedule will remain on this rate for a period of not less than 12 months, except as provided under Optional Trial Service. While served under this schedule, the Residential Service rate is not available.
2. This schedule is also subject to provisions contained in Rules for Application of Residential Rates.
3. Time of Day Metering Charge per Month Option (Closed): For any customer who prior to November 1, 1988, elected to pay a non-refundable payment of \$310.00 in lieu of the time of day metering charge, the monthly customer charge is reduced by \$2.00.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF USE PILOT PROGRAM
SERVICE
RATE CODE A72, A74**

Section No. 5
1st Revised Sheet No. 4.1

PILOT PROGRAM DESIGN

This is an experimental rate design for the residential Time of Use Pilot Program to be applied for two years from the effective date of this rate schedule. Participating customers will have received Residential Service without electric space heating prior to the Pilot, and may elect a return to the Residential Service rate schedule following the Pilot.

AVAILABILITY

A maximum of 10,000 customers will be selected to receive service with this rate schedule. The Company will determine pilot participants that receive service through the Hiawatha West, Midtown, or Westgate substations. Pilot participants will not include customers that are on net metering service or have other interconnected distributed generation on their premise, or customers that also receive Energy Controlled (Non-Demand Metered) Service, Residential Electric Vehicle Service, Limited Off-Peak Service, or customers that are medical equipment-dependent. Pilot participants may elect to opt out of participation in this Pilot for a specific premise.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Bill Protection may also apply. Details regarding the specific charges applicable to this service and Bill Protection are listed below.

RATE

Customer Charge per Month

Overhead (A72)	\$8.00
Underground (A74)	\$10.00

Energy Charge per kWh

June – September

On-Peak Period	\$0.22576	R
Mid-Peak Period	\$0.09013	R
Off-Peak Period	\$0.02784	R

Other Months

On-Peak Period	\$0.19266	R
Mid-Peak Period	\$0.07515	R
Off-Peak Period	\$0.02784	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-4.2)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF USE PILOT PROGRAM
SERVICE
RATE CODE A72, A74**

Section No. 5
Original Sheet No. 4.1

PILOT PROGRAM DESIGN

This is an experimental rate design for the residential Time of Use Pilot Program to be applied for two years from the effective date of this rate schedule. Participating customers will have received Residential Service without electric space heating prior to the Pilot, and may elect a return to the Residential Service rate schedule following the Pilot.

AVAILABILITY

A maximum of 10,000 customers will be selected to receive service with this rate schedule. The Company will determine pilot participants that receive service through the Hiawatha West, Midtown, or Westgate substations. Pilot participants will not include customers that are on net metering service or have other interconnected distributed generation on their premise, or customers that also receive Energy Controlled (Non-Demand Metered) Service, Residential Electric Vehicle Service, Limited Off-Peak Service, or customers that are medical equipment-dependent. Pilot participants may elect to opt out of participation in this Pilot for a specific premise.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Bill Protection may also apply. Details regarding the specific charges applicable to this service and Bill Protection are listed below.

RATE

Customer Charge per Month

Overhead (A72)	\$8.00
Underground (A74)	\$10.00

Energy Charge per kWh

June – September	
On-Peak Period	\$0.23094
Mid-Peak Period	\$0.09270
Off-Peak Period	\$0.02913
Other Months	
On-Peak Period	\$0.19675
Mid-Peak Period	\$0.07720
Off-Peak Period	\$0.02913

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

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(Continued on Sheet No. 5-4.2)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF USE PILOT PROGRAM
SERVICE (Continued)
RATE CODE A72, A74**

Section No. 5
Original Sheet No. 4.2

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

REVENUE DECOUPLING MECHANISM RIDER

Bills are subject to the adjustments provided for in the Revenue Decoupling Mechanism Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

LOW INCOME ENERGY DISCOUNT

Energy discount is available to qualified low income customers under this schedule subject to the provisions contained in the Low Income Energy Discount Rider.

BILL PROTECTION

Billing charges considered for bill protection will include customer and energy charges, fuel cost charges and if applicable, the Residential Controlled Air Conditioning and Water Heating Rider discounts. Bill protection will be considered only for customers that have been pilot participants at the same residential location for 12 months from the effective date of this rate schedule, based on the first 12 months of participation in the pilot program. Any Pilot program billing charge in excess of 10 percent of the corresponding billing charge that would have been applied had the customer not been a pilot participant will be credited to the customer's account, including any applicable taxes. The bill protection in this paragraph will terminate after the first 12 months of participation in the pilot program.

Customers that have received LIHEAP assistance within the 12 months prior to participation in the pilot program will have bill protection determined monthly for the first 12 months of pilot participation for any billing charges in excess of the corresponding billing charge that would have been applied had the customer not been a pilot participant. This will be determined on a monthly basis for the first 12 months of pilot participation. For the second 12 months of pilot participation, the bill protection will continue to be provided for these LIHEAP assistance customers for billing charges in excess of 10 percent of the corresponding billing charge on an annual basis for the second 12 months of pilot participation. Customers that start to receive LIHEAP assistance after their participation in the pilot has begun will receive monthly bill protection up to the first 12 month anniversary of the pilot, and shall receive annual bill protection for the second 12 month period of the pilot. Customers who opt out or leave the pilot area will forego the annual protection otherwise offered for this second 12 month period.

(Continued on Sheet No. 5-4.3)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF USE PILOT PROGRAM
SERVICE (Continued)
RATE CODE A72, A74**

Section No. 5
Original Sheet No. 4.3

DEFINITION OF PEAK PERIODS

The On-Peak period is defined as those hours between 3:00 p.m. and 8:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The Mid-Peak period is defined as all hours not defined as On-Peak or Off-Peak periods. The Off-Peak period is defined as those hours between midnight (12:00 a.m.) and 6:00 a.m. every day.

RESIDENTIAL CONTROLLED AIR CONDITIONING AND WATER HEATING RIDER

Customers that received service with the Residential Controlled Air Conditioning and Water Heating Rider in combination with Residential Service prior to participation in the pilot will have a revised discount for Company controlled central air conditioning or electric water heating that is specific to the pilot program. The controlled air conditioning discount is a monthly \$10 credit applied during the billing months of June through September. The controlled electric water heating discount is a monthly \$2 credit during each billing month. Pilot customers will receive these revised credits in place of percent discounts and are subject to all other terms of the Residential Controlled Air Conditioning and Water Heating Rider.

TERMS AND CONDITIONS OF SERVICE

- 1. This schedule is also subject to provisions contained in Rules for Application of Residential Rates.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
19th Revised Sheet No. 5

AVAILABILITY

Available to residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month	\$4.95	
On-Peak Period Energy Charge per kWh		
June - September	\$0.20497	R
Other Months	\$0.16508	R
Off-Peak Period Energy Charge per kWh	\$0.04170	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-6)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
18th Revised Sheet No. 5

AVAILABILITY

Available to residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month	\$4.95	
On-Peak Period Energy Charge per kWh		
June - September	\$0.21520	R
Other Months	\$0.17328	R
Off-Peak Period Energy Charge per kWh	\$0.04378	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-6)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
17th Revised Sheet No. 5

AVAILABILITY

Available to residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month	\$4.95	
On-Peak Period Energy Charge per kWh		
June - September	\$0.21096	R
Other Months	\$0.16968	R
Off-Peak Period Energy Charge per kWh	\$0.04260	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
16th Revised Sheet No. 6

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PEAK PERIODS

The on-peak period is defined as those hours between 9:00 a.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The off-peak period is defined as all other hours. Definition of on-peak and off-peak period is subject to change with change in Company's system operating characteristics.

COMMUNICATION COSTS

The Company will maintain separate accounting of the information, education, advertising and promotion costs associated with electric vehicles as provided in Minn. Stat. §216B.1614, subd.2, paragraph (c) 2 by deferring the costs to a tracker account, and will petition the Minnesota Public Utilities Commission to recover the qualifying costs.

TERMS AND CONDITIONS OF SERVICE

1. Residential Electric Vehicle Service shall be separately served and metered and must at no time be connected to facilities serving customer's other loads. Metering may be installed as a sub-meter behind the customer's main meter, in which case consumption under this rate schedule will be subtracted from the main meter for purposes of billing customer's non-Electric Vehicle electricity usage.
2. The customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing. Installations must conform to the Company's specifications.
3. Company may require customer to provide access for Company-owned equipment for the recording and wireless communication of energy usage.
4. The rate contemplates that this service will utilize existing facilities with no additional major expenditures. Customer shall reimburse Company for any expenditure for facilities necessary to serve this load which would not otherwise be required to serve customer's load.
5. This schedule is also subject to provisions contained in Rules for Application of Residential Rates.
6. Customers that elect the Windsource program in calendar year 2015 for at least three (3) 100 kWh blocks or their entire usage on this schedule may receive a one-time \$25 bill credit or gift card of the same value.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE
RATE CODE A80, A81**

Section No. 5
5th Revised Sheet No. 7

AVAILABILITY

Available while this Pilot Service is in effect to Residential Service customers for service only to electric vehicle loads including battery charging and accessory usage. Bundled service includes Company installed and provided charging equipment. Pre-Pay Option service is available to customers electing to pay Company for the installed cost of charging equipment prior to beginning service with this tariff. Customers electing Pre-Pay Option service are separately invoiced at the time of installation. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CONTRACT

Customers must contract for this service through an Electric Vehicle Pilot Electric Service Agreement with the Company. The initial contract period will normally be for 24 months.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and /or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month		
Bundled (A80)	\$17.47	
Pre-Pay Option (A81)	\$7.10	
On-Peak Period Energy Charge per kWh		
June - September	\$0.20497	R
Other Months	\$0.16508	R
Off-Peak Period Energy Charge per kWh	\$0.04170	R

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

(Continued on Sheet No. 5-8)

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		President, Northern States Power Company, a Minnesota Corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE
RATE CODE A80, A81**

Section No. 5
4th Revised Sheet No. 7

AVAILABILITY

Available while this Pilot Service is in effect to Residential Service customers for service only to electric vehicle loads including battery charging and accessory usage. Bundled service includes Company installed and provided charging equipment. Pre-Pay Option service is available to customers electing to pay Company for the installed cost of charging equipment prior to beginning service with this tariff. Customers electing Pre-Pay Option service are separately invoiced at the time of installation. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CONTRACT

Customers must contract for this service through an Electric Vehicle Pilot Electric Service Agreement with the Company. The initial contract period will normally be for 24 months.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and /or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month		
Bundled (A80)	\$17.47	
Pre-Pay Option (A81)	\$7.10	
On-Peak Period Energy Charge per kWh		
June - September	\$0.21520	R
Other Months	\$0.17328	R
Off-Peak Period Energy Charge per kWh	\$0.04378	R

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

(Continued on Sheet No. 5-8)

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		President, Northern States Power Company, a Minnesota Corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE
RATE CODE A80, A81**

Section No. 5
3rd Revised Sheet No. 7

AVAILABILITY

Available while this Pilot Service is in effect to Residential Service customers for service only to electric vehicle loads including battery charging and accessory usage. Bundled service includes Company installed and provided charging equipment. Pre-Pay Option service is available to customers electing to pay Company for the installed cost of charging equipment prior to beginning service with this tariff. Customers electing Pre-Pay Option service are separately invoiced at the time of installation. The customer must complete Company-approved documentation verifying possession, through ownership or lease, of an electric vehicle as defined in Section 169.011, subdivision 26a of Minnesota law.

CONTRACT

Customers must contract for this service through an Electric Vehicle Pilot Electric Service Agreement with the Company. The initial contract period will normally be for 24 months.

CHARACTER OF SERVICE

Single-phase 60-Hertz service at approximately 120 or 120/240 volts will be provided hereunder. Three-phase service or other service upgrade requests will be provided in accordance with Company service regulations.

RENEWABLE ENERGY SUPPLY OPTION

Customers have the option to elect all or a portion of the supply of electricity under this schedule from renewable energy resources. The renewable energy supply option is available subject to the provisions contained in the Voluntary Renewable and High-Efficiency Energy Purchase (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and /or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month	
Bundled (A80)	\$17.47
Pre-Pay Option (A81)	\$7.10
On-Peak Period Energy Charge per kWh	
June - September	\$0.21096
Other Months	\$0.16968
Off-Peak Period Energy Charge per kWh	\$0.04260

PRE-PAY OPTION

The Pre-Pay Option Customer Charge per Month applies in place of the Bundled Customer Charge per Month to customers that have paid the installed cost of charging equipment to the Company.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

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(Continued on Sheet No. 5-8)

Date Filed:	11-17-17	By: Christopher B. Clark	Effective Date:	06-25-18
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-17-817		Order Date:	05-09-18

Northern States Power Company , a Minnesota corporation
and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL TIME OF DAY SERVICE - UNDERGROUND
(Continued)
RATE CODE A04

Section No. 5
2nd Revised Sheet No. 7

CANCELED

Date Filed: 11-02-05 By: Cynthia L. Lesher Effective Date: 02-01-07
President and CEO of Northern States Power Company
Docket No. E002/GR-05-1428 Order Date: 09-01-06

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL ELECTRIC VEHICLE PILOT SERVICE
(Continued)
RATE CODE A80, A81

Section No. 5
3rd Revised Sheet No. 8

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PEAK PERIODS

The on-peak period is defined as those hours between 9:00 a.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The off-peak period is defined as all other hours. Definition of on-peak and off-peak period is subject to change with change in Company's system operating characteristics.

COMMUNICATION COSTS

The Company will maintain separate accounting of the information, education, advertising and promotion costs associated with electric vehicles as provided in Minn. Stat. §216B.1614, subd.2, paragraph (c) 2 by deferring the costs to a tracker account, and will petition the Minnesota Public Utilities Commission to recover the qualifying costs.

TERMS AND CONDITIONS OF SERVICE

1. Residential Electric Vehicle Pilot Service shall be served through wiring connected to customer's single meter provided for Residential Service. Consumption under this rate schedule will be subtracted from the main meter for purposes of billing customer's non-Electric Vehicle electricity usage.
2. The customer shall supply, at no expense to the Company, premises wiring and a suitable location for connection of charging and associated equipment.
3. Company may require customer to provide access for Company-owned equipment for the recording and wireless communication of energy usage.
4. The rate contemplates that this service will utilize existing facilities with no additional major expenditures. Customer shall reimburse Company for any expenditure for facilities necessary to serve this load which would not otherwise be required to serve customer's load.
5. This schedule is also subject to provisions contained in Rules for Application of Residential Rates.
6. Customer must execute an Electric Vehicle Pilot Service Agreement with the Company.

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Northern States Power Company, a Minnesota corporation
and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL TIME OF DAY SERVICE -
UNDERGROUND (Continued)
RATE CODE A04**

Section No. 5
2nd Revised Sheet No. 8

CANCELED

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President and CEO of Northern States Power Company
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ENERGY CONTROLLED SERVICE
(NON-DEMAND METERED)
RATE CODE A05**

Section No. 5
30th Revised Sheet No. 9

AVAILABILITY

Available to residential and commercial customers with permanently connected interruptible loads of up to 50 kW that would be under Company control. The types of loads served would include dual fuel space heating, water heating, and other loads subject to Company approval.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	Residential	Commercial & Industrial	
Customer Charge	\$4.95	\$4.95	
Energy Charge per kWh	\$0.04487	\$0.04487	R
Optional			
June - September	\$0.10301	\$0.09256	R
Other Months	\$0.04487	\$0.04487	R

OPTIONAL ENERGY CHARGE

This option is available to customers with heat pump installations for non-interruptible service during June through September billing months.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-10)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ENERGY CONTROLLED SERVICE
(NON-DEMAND METERED)
RATE CODE A05**

Section No. 5
29th Revised Sheet No. 9

AVAILABILITY

Available to residential and commercial customers with permanently connected interruptible loads of up to 50 kW that would be under Company control. The types of loads served would include dual fuel space heating, water heating, and other loads subject to Company approval.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	Residential	Commercial & Industrial	
Customer Charge	\$4.95	\$4.95	
Energy Charge per kWh	\$0.04711	\$0.04711	R
Optional			
June - September	\$0.10815	\$0.09728	R
Other Months	\$0.04711	\$0.04711	R

OPTIONAL ENERGY CHARGE

This option is available to customers with heat pump installations for non-interruptible service during June through September billing months.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-10)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ENERGY CONTROLLED SERVICE
(NON-DEMAND METERED)
RATE CODE A05**

Section No. 5
28th Revised Sheet No. 9

AVAILABILITY

Available to residential and commercial customers with permanently connected interruptible loads of up to 50 kW that would be under Company control. The types of loads served would include dual fuel space heating, water heating, and other loads subject to Company approval.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	Residential	Commercial & Industrial	
Customer Charge	\$4.95	\$4.95	
Energy Charge per kWh	\$0.04506	\$0.04506	R
Optional			
June - September	\$0.10582	\$0.09514	R
Other Months	\$0.04506	\$0.04506	R

OPTIONAL ENERGY CHARGE

This option is available to customers with heat pump installations for non-interruptible service during June through September billing months.

In addition, customer bills under this rate are subject to the following adjustments and/or charges. D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-10)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (NON-DEMAND METERED)
(Continued)
RATE CODE A05

Section No. 5
8th Revised Sheet No. 10

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

REVENUE DECOUPLING MECHANISM RIDER

Bills are subject to the adjustments provided for in the Revenue Decoupling Mechanism Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

TERMS AND CONDITIONS OF SERVICE

1. The controllable load shall be permanently wired, separately served and metered, and at no time connected to facilities serving customer's firm load.
2. The duration and frequency of interruptions shall be at the discretion of Company. Interruption will normally occur at such times:
 - a. When Company is required to use generation equipment or to purchase power that results in production costs in excess of \$70 per MWh,
 - b. When Company expects to establish an annual system peak demand, or
 - c. At such times when, in Company's opinion, the reliability of the system is endangered.
3. Customer selecting Energy Controlled Service (Non-Demand Metered) must have a Company approved electric space heating system and must remain on this service for a minimum term of one year.
4. Customer selecting Energy Controlled Service (Non-Demand Metered) must be prepared for interruptions that will last longer than 12 hours per occurrence. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
5. Electricity must be the primary source of energy for dual fuel space heating installations. Customer must have available alternative energy sources capable of supplying up to 30% of the annual heating needs during any heating season.
6. Customer's water heating system served under this rate must be designed and sized to be capable of providing customer's hot water needs for the full duration of the potential interruption periods.

(Continued on Sheet No. 5-10.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (NON-DEMAND METERED)
(Continued)
RATE CODE A05

Section No. 5
5th Revised Sheet No. 10.1

- 7. Customer must furnish and install an NSP approved electric meter socket to accept Energy Controlled Service (Non-Demand Metered). Company reserves the right to inspect and approve the installation.
- 8. The rate contemplates that this service will utilize existing facilities with no additional major expenditures. Customer shall reimburse Company for any expenditures for facilities necessary to serve this load which would not otherwise be required to serve customer's load.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIMITED OFF PEAK SERVICE
RATE CODE A06**

Section No. 5
33rd Revised Sheet No. 11

AVAILABILITY

Available to any customers for controlled loads that will be energized only for the time period between 10:00 p.m. to 6:30 a.m. daily.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Residential</u>	<u>Commercial & Industrial</u>	
Customer Charge per Month			
Secondary Voltage			
Single Phase	\$4.95	\$10.00	
Three Phase	--	\$13.60	
Primary Voltage	--	\$60.00	
Transmission Transformed	--	\$60.00	
Transmission	--	\$60.00	
Energy Charge per kWh			
Secondary Voltage	\$0.03665	\$0.03665	R
Primary Voltage	--	\$0.03560	R
Transmission Transformed	--	\$0.03398	R
Transmission	--	\$0.03388	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-11.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIMITED OFF PEAK SERVICE
RATE CODE A06**

Section No. 5
32nd Revised Sheet No. 11

AVAILABILITY

Available to any customers for controlled loads that will be energized only for the time period between 10:00 p.m. to 6:30 a.m. daily.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Residential</u>	<u>Commercial & Industrial</u>	
Customer Charge per Month			
Secondary Voltage			
Single Phase	\$4.95	\$10.00	
Three Phase	--	\$13.60	
Primary Voltage	--	\$60.00	
Transmission Transformed	--	\$60.00	
Transmission	--	\$60.00	
Energy Charge per kWh			
Secondary Voltage	\$0.03848	\$0.03848	R
Primary Voltage	--	\$0.03740	R
Transmission Transformed	--	\$0.03574	R
Transmission	--	\$0.03563	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-11.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIMITED OFF PEAK SERVICE
RATE CODE A06**

Section No. 5
31st Revised Sheet No. 11

AVAILABILITY

Available to any customers for controlled loads that will be energized only for the time period between 10:00 p.m. to 6:30 a.m. daily.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Residential</u>	<u>Commercial & Industrial</u>	
Customer Charge per Month			
Secondary Voltage			
Single Phase	\$4.95	\$10.00	
Three Phase	--	\$13.60	
Primary Voltage	--	\$60.00	
Transmission Transformed	--	\$60.00	
Transmission	--	\$60.00	
Energy Charge per kWh			
Secondary Voltage	\$0.03660	\$0.03660	R
Primary Voltage	--	\$0.03554	R
Transmission Transformed	--	\$0.03389	R
Transmission	--	\$0.03379	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

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FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-11.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

LIMITED OFF PEAK SERVICE (Continued)
RATE CODE A06

Section No. 5
8th Revised Sheet No. 11.1

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

REVENUE DECOUPLING MECHANISM RIDER

Bills are subject to the adjustments provided for in the Revenue Decoupling Mechanism Rider.

(Continued on Sheet No. 5-12)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

LIMITED OFF PEAK SERVICE (Continued)
RATE CODE A06

Section No. 5
8th Revised Sheet No. 12

MONTHLY MINIMUM CHARGE

For all customers, the minimum charge shall be the applicable customer charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

TERMS AND CONDITIONS OF SERVICE

1. Limited Off Peak Service shall be separately served and metered and must at no time be connected to facilities serving customer's other loads.
2. Company will not be liable for any loss or damage caused by or resulting from any interruption of service.
3. Customer selecting Limited Off Peak Service must remain on this service for a minimum term of one year, unless customer transfers to another interruptible service rate.
4. Customer has the option of directly controlling own load or allowing Company load control. If customer chooses Company load control, customer must:
 - a. Provide a load-break switch or circuit breaker equipped with electronic trip and close circuits allowing for remote operation of customer's switch or circuit breaker by Company,
 - b. Wire the trip and close circuits into a connection point designated by Company to allow installation of remote control equipment by Company, and
 - c. Provide a continuous 120 volt AC power source at the connection point for operation of Company's remote control equipment.
5. A charge of \$0.360 per kWh shall be applied to non-authorized energy used 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 customer from Limited Off Peak Service.
6. The rate contemplates that this service will utilize existing facilities with no additional major expenditures. Customer shall reimburse Company for any expenditures for facilities necessary to serve this load which would not otherwise be required to serve customer's load.

R

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

LIMITED OFF PEAK SERVICE (Continued)
RATE CODE A06

Section No. 5
7th Revised Sheet No. 12

MONTHLY MINIMUM CHARGE

For all customers, the minimum charge shall be the applicable customer charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

TERMS AND CONDITIONS OF SERVICE

1. Limited Off Peak Service shall be separately served and metered and must at no time be connected to facilities serving customer's other loads.
2. Company will not be liable for any loss or damage caused by or resulting from any interruption of service.
3. Customer selecting Limited Off Peak Service must remain on this service for a minimum term of one year, unless customer transfers to another interruptible service rate.
4. Customer has the option of directly controlling own load or allowing Company load control. If customer chooses Company load control, customer must:
 - a. Provide a load-break switch or circuit breaker equipped with electronic trip and close circuits allowing for remote operation of customer's switch or circuit breaker by Company,
 - b. Wire the trip and close circuits into a connection point designated by Company to allow installation of remote control equipment by Company, and
 - c. Provide a continuous 120 volt AC power source at the connection point for operation of Company's remote control equipment.
5. A charge of \$0.340 per kWh shall be applied to non-authorized energy used 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 customer from Limited Off Peak Service.
6. The rate contemplates that this service will utilize existing facilities with no additional major expenditures. Customer shall reimburse Company for any expenditures for facilities necessary to serve this load which would not otherwise be required to serve customer's load.

R

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RULES FOR APPLICATION OF RESIDENTIAL RATES

Section No. 5
7th Revised Sheet No. 13

1. The Residential Service, Residential Time of Day Service and Residential Time of Use Pilot Program are the only rates available to residential customers for domestic purposes in a single private residence. Energy Controlled Service (Non-Demand Metered), Limited Off Peak Service, Residential Electric Vehicle Service, Residential Electric Vehicle Pilot Service and Automatic Protective Lighting Service rate schedules are also available to qualifying residential customers. N
2. Normal service under the Residential Service, Residential Time of Day Service and Residential Time of Use Pilot Program rate schedules is single phase service rendered through one meter. Three phase service or service through more than one meter will be provided upon a one-time payment of an amount to reimburse Company for the additional investment. If customer is served through more than one meter, each meter will be separately billed. N
N
3. Electric space heating charges are applicable only when customer's electric space heating equipment is used as customer's primary heating source.
4. Underground service charges will apply where the underground facilities are owned by Company, and Company has not been fully reimbursed for the added cost of such underground facilities.
5. Standby and Supplementary Service is available for any residential customer subject to the provisions in the General Rules and Regulations, Section 2.4. The Company's meter will be ratcheted to measure the flow of power and energy from Company to customer only.
6. A customer using electric service for domestic and non-domestic purposes jointly may combine such use through one meter on such rates as are available to general service customers.
7. The Residential Service and Residential Time of Day Service rate schedules are available to farm installations which were served on the separate Farm Service rate schedule prior to its cancellation on November 1, 1988. Residential Service and Residential Time of Day Service to these qualifying farm customers is limited to 120/240 volts single phase service rendered through one meter. Motors and other equipment which interfere with service to neighboring customers and all transformer type welding machines larger than 25 kilovolt-amperes are not permitted as part of this service.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RULES FOR APPLICATION OF RESIDENTIAL RATES

Section No. 5
6th Revised Sheet No. 13

1. The Residential Service and Residential Time of Day Service are the only rates available to residential customers for domestic purposes in a single private residence. Energy Controlled Service (Non-Demand Metered), Limited Off Peak Service, Residential Electric Vehicle Service, Residential Electric Vehicle Pilot Service and Automatic Protective Lighting Service rate schedules are also available to qualifying residential customers. N
N
2. Normal service under the Residential Service and Residential Time of Day Service rate schedules is single phase service rendered through one meter. Three phase service or service through more than one meter will be provided upon a one-time payment of an amount to reimburse Company for the additional investment. If customer is served through more than one meter, each meter will be separately billed.
3. Electric space heating charges are applicable only when customer's electric space heating equipment is used as customer's primary heating source.
4. Underground service charges will apply where the underground facilities are owned by Company, and Company has not been fully reimbursed for the added cost of such underground facilities.
5. Standby and Supplementary Service is available for any residential customer subject to the provisions in the General Rules and Regulations, Section 2.4. The Company's meter will be ratcheted to measure the flow of power and energy from Company to customer only.
6. A customer using electric service for domestic and non-domestic purposes jointly may combine such use through one meter on such rates as are available to general service customers.
7. The Residential Service and Residential Time of Day Service rate schedules are available to farm installations which were served on the separate Farm Service rate schedule prior to its cancellation on November 1, 1988. Residential Service and Residential Time of Day Service to these qualifying farm customers is limited to 120/240 volts single phase service rendered through one meter. Motors and other equipment which interfere with service to neighboring customers and all transformer type welding machines larger than 25 kilovolt-amperes are not permitted as part of this service.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RULES FOR APPLICATION OF RESIDENTIAL RATES

Section No. 5
5th Revised Sheet No. 13

1. The Residential Service and Residential Time of Day Service are the only rates available to residential customers for domestic purposes in a single private residence. Energy Controlled Service (Non-Demand Metered), Limited Off Peak Service, and Automatic Protective Lighting Service rate schedules are also available to qualifying residential customers.
2. Normal service under the Residential Service and Residential Time of Day Service rate schedules is single phase service rendered through one meter. Three phase service or service through more than one meter will be provided upon a one-time payment of an amount to reimburse Company for the additional investment. If customer is served through more than one meter, each meter will be separately billed.
3. Electric space heating charges are applicable only when customer's electric space heating equipment is used as customer's primary heating source.
4. Underground service charges will apply where the underground facilities are owned by Company, and Company has not been fully reimbursed for the added cost of such underground facilities.
5. Standby and Supplementary Service is available for any residential customer subject to the provisions in the General Rules and Regulations, Section 2.4. The Company's meter will be ratcheted to measure the flow of power and energy from Company to customer only.
6. A customer using electric service for domestic and non-domestic purposes jointly may combine such use through one meter on such rates as are available to general service customers.
7. The Residential Service and Residential Time of Day Service rate schedules are available to farm installations which were served on the separate Farm Service rate schedule prior to its cancellation on November 1, 1988. Residential Service and Residential Time of Day Service to these qualifying farm customers is limited to 120/240 volts single phase service rendered through one meter. Motors and other equipment which interfere with service to neighboring customers and all transformer type welding machines larger than 25 kilovolt-amperes are not permitted as part of this service.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**AUTOMATIC PROTECTIVE LIGHTING SERVICE
RATE CODE A07**

Section No. 5
23rd Revised Sheet No. 14

AVAILABILITY

Available to all types of customers except for municipal street lighting purposes.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate Per Unit</u>	
Area Units		
100W High Pressure Sodium	\$7.41	R
175W Mercury (1)	\$7.41	R
250W High Pressure Sodium	\$11.83	R
400W Mercury (1)	\$11.83	R
Directional Units		
250W High Pressure Sodium	\$14.08	R
400W High Pressure Sodium	\$17.62	R
1,000W Mercury (1)	\$27.33	R

(1) Available to existing installations only.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

SERVICE INCLUDED IN RATE

Company shall own, operate, and maintain the lighting unit including the fixture, lamp, ballast, photoelectric control, mounting brackets, and all necessary wiring. Company shall furnish all electric energy required for operation of the unit.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-15)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**AUTOMATIC PROTECTIVE LIGHTING SERVICE
RATE CODE A07**

Section No. 5
22nd Revised Sheet No. 14

AVAILABILITY

Available to all types of customers except for municipal street lighting purposes.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate Per Unit</u>	
Area Units		
100W High Pressure Sodium	\$7.71	R
175W Mercury (1)	\$7.71	R
250W High Pressure Sodium	\$12.30	R
400W Mercury (1)	\$12.30	R
Directional Units		
250W High Pressure Sodium	\$14.65	R
400W High Pressure Sodium	\$18.33	R
1,000W Mercury (1)	\$28.43	R

(1) Available to existing installations only.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

SERVICE INCLUDED IN RATE

Company shall own, operate, and maintain the lighting unit including the fixture, lamp, ballast, photoelectric control, mounting brackets, and all necessary wiring. Company shall furnish all electric energy required for operation of the unit.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-15)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**AUTOMATIC PROTECTIVE LIGHTING SERVICE
RATE CODE A07**

Section No. 5
21st Revised Sheet No. 14

AVAILABILITY

Available to all types of customers except for municipal street lighting purposes.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate Per Unit</u>	
<u>Area Units</u>		
100W High Pressure Sodium	\$7.57	R
175W Mercury (1)	\$7.57	R
250W High Pressure Sodium	\$12.07	R
400W Mercury (1)	\$12.07	R
<u>Directional Units</u>		
250W High Pressure Sodium	\$14.37	R
400W High Pressure Sodium	\$17.98	R
1,000W Mercury (1)	\$27.82	R

(1) Available to existing installations only.

D

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

SERVICE INCLUDED IN RATE

Company shall own, operate, and maintain the lighting unit including the fixture, lamp, ballast, photoelectric control, mounting brackets, and all necessary wiring. Company shall furnish all electric energy required for operation of the unit.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-15)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

AUTOMATIC PROTECTIVE LIGHTING SERVICE (Continued)
RATE CODE A07

Section No. 5
11th Revised Sheet No. 15

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

TERM OF AGREEMENT

Agreement shall be for a term of three years. If not then terminated by at least 30 days' written notice by either party, the agreement shall continue until so terminated.

TERMS AND CONDITIONS OF SERVICE

1. Service available subject to the provisions for Automatic Protective Lighting Service of the General Rules and Regulations, Section 5.4.
2. The lamp shall be lighted and extinguished by a photoelectric control furnished by the Company. The hours of burning shall be from approximately one-half hour after sunset until one-half hour before sunrise, every night.
3. If illumination of a lamp is interrupted and said illumination is not resumed within 72 hours from the time Company receives notice thereof from customer, one-thirtieth of the monthly compensation for such unit shall be deducted for each night of non-illumination after such notice is received.
4. Company reserves the right to discontinue service if equipment is abused.
5. Company will convert mercury vapor lighting units to high pressure sodium upon failure of the mercury vapor ballast.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL SERVICE
RATE CODE A09, A10, A11, A13

Section No. 5
31st Revised Sheet No. 21

AVAILABILITY

Standard service (i.e., alternating current) is available to any non-residential customer for single or three phase electric service. Direct Current service is only available in Minneapolis and St. Paul to the extent now used.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Unmetered (A09)	\$8.00	
– Metered (A10)	\$10.00	
– Water Heating (A11)	\$0.00	
– Direct Current (A13)	\$10.00	
Energy Charge per kWh		
June - September	\$0.09256	R
Other Months	\$0.07757	R
Demand Charge (Direct Current Only) per Month per kW of Connected Load	\$3.61	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-22)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL SERVICE
RATE CODE A09, A10, A11, A13

Section No. 5
30th Revised Sheet No. 21

AVAILABILITY

Standard service (i.e., alternating current) is available to any non-residential customer for single or three phase electric service. Direct Current service is only available in Minneapolis and St. Paul to the extent now used.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Unmetered (A09)	\$8.00	
– Metered (A10)	\$10.00	
– Water Heating (A11)	\$0.00	
– Direct Current (A13)	\$10.00	
Energy Charge per kWh		
June - September	\$0.09728	R
Other Months	\$0.08156	R
Demand Charge (Direct Current Only) per Month per kW of Connected Load	\$3.80	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-22)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL SERVICE
RATE CODE A09, A10, A11, A13

Section No. 5
29th Revised Sheet No. 21

AVAILABILITY

Standard service (i.e., alternating current) is available to any non-residential customer for single or three phase electric service. Direct Current service is only available in Minneapolis and St. Paul to the extent now used.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Unmetered (A09)	\$8.00	
– Metered (A10)	\$10.00	
– Water Heating (A11)	\$0.00	
– Direct Current (A13)	\$10.00	
Energy Charge per kWh		
June - September	\$0.09514	R
Other Months	\$0.07965	R
Demand Charge (Direct Current Only) per Month per kW of Connected Load	\$3.75	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges. D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-22)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL SERVICE (Continued)
RATE CODE A9, A10, A11, A13

Section No. 5
8th Revised Sheet No. 22

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge, or Customer Charge plus Demand Charge if served at Direct Current.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

REVENUE DECOUPLING MECHANISM RIDER

Bills in rate codes A09, A10, and A11 are subject to the adjustments provided for in the Revenue Decoupling Mechanism Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

TERMS AND CONDITIONS OF SERVICE FOR ALTERNATING CURRENT CUSTOMERS

Company shall install a demand meter for a customer when:

1. Customer's connected load is estimated to be 20 kW or greater,
2. Customer is served single phase and has a service entrance capacity greater than 200 amperes,
3. Customer is served three phase at 120/208 or 120/240 volts and has a service entrance capacity greater than 200 amperes,
4. Customer is served three phase at 240/480 or 277/480 volts and has a service entrance capacity greater than 100 amperes, or
5. Customer's average monthly kWh use for four consecutive months exceeds 3,500 kWh.

If a demand meter is installed in accordance with the above, the customer may remain on the Small General Service schedule as long as customer's maximum demand is less than 25 kW. When the customer achieves an actual maximum demand of 25 kW or greater, the customer will be placed on the General Service schedule in the next billing month. A customer with a billing demand of less than 25 kW for 12 consecutive months will be given the option of returning to the Small General Service schedule.

DETERMINATION OF CONNECTED LOAD FOR DIRECT CURRENT SERVICE

The nameplate rating shall be the basis of determining the connected load and shall be assumed to be one kW for each hp of nameplate rating. In any case, where there is reasonable doubt as to correctness of manufacturer's rating or where insufficient or no rating exists, the Company may fix the rating by test. For billing purposes, the demand shall be rounded to the nearest 0.1 kW.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401
MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL TIME OF DAY SERVICE
RATE CODE A12, A16, A18, A22

Section No. 5
31st Revised Sheet No. 23

AVAILABILITY

Available to any non-residential customer for single or three phase electric service supplied through one meter.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Time Of Day Metered (A12)	\$12.00
– kWh Metered (A16)	\$10.00
– Unmetered (A18)	\$8.00
– Low Wattage (A22)	(Please see page 5-24.1)

Energy Charge per kWh	<u>Oct-May</u>	<u>Jun-Sep</u>	
On Peak Period (A12)	\$0.11723	\$0.14880	R
Off Peak Period (A12)	\$0.04170	\$0.04170	R
Constant Hourly (A16, A18, A22) (= 35% On, 65% Off)	\$0.06814	\$0.07919	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-24)

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Minneapolis, Minnesota 55401
MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL TIME OF DAY SERVICE
RATE CODE A12, A16, A18, A22

Section No. 5
30th Revised Sheet No. 23

AVAILABILITY

Available to any non-residential customer for single or three phase electric service supplied through one meter.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Time Of Day Metered (A12)	\$12.00
– kWh Metered (A16)	\$10.00
– Unmetered (A18)	\$8.00
– Low Wattage (A22)	(Please see page 5-24.1)

Energy Charge per kWh	<u>Oct-May</u>	<u>Jun-Sep</u>	
On Peak Period (A12)	\$0.12331	\$0.15644	R
Off Peak Period (A12)	\$0.04378	\$0.04378	R
Constant Hourly (A16, A18, A22) (= 35% On, 65% Off)	\$0.07162	\$0.08321	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-24)

Date Filed:	10-01-18	By: Christopher B. Clark	Effective Date:	01-01-19
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401
MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL TIME OF DAY SERVICE
RATE CODE A12, A16, A18, A22

Section No. 5
29th Revised Sheet No. 23

AVAILABILITY

Available to any non-residential customer for single or three phase electric service supplied through one meter.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Time Of Day Metered (A12)	\$12.00
– kWh Metered (A16)	\$10.00
– Unmetered (A18)	\$8.00
– Low Wattage (A22)	(Please see page 5-24.1)

Energy Charge per kWh	<u>Oct-May</u>	<u>Jun-Sep</u>	
On Peak Period (A12)	\$0.12060	\$0.15323	R
Off Peak Period (A12)	\$0.04260	\$0.04260	R
Constant Hourly (A16, A18, A22) (= 35% On, 65% Off)	\$0.06990	\$0.08132	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

(Continued on Sheet No. 5-24)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL TIME OF DAY SERVICE (Continued)
RATE CODE A12, A16, A18, A22

Section No. 5
14th Revised Sheet No. 24

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

REVENUE DECOUPLING MECHANISM RIDER

Bills are subject to the adjustments provided for in the Revenue Decoupling Mechanism Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PEAK PERIODS

The on peak period is defined as those hours between 9:00 a.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The off peak period is defined as all other hours. Definition of on peak and off peak period is subject to change with change in Company's system operating characteristics.

OPTIONAL TRIAL SERVICE

Customers may elect time of day service for a trial period of three months. If a customer chooses to return to non-time of day service after the trial period, the customer will pay a charge of \$25.00 for removal of time of day metering equipment.

TERMS AND CONDITIONS OF SERVICE

1. Customer selecting the above time of day rate schedule will remain on this rate for a period of not less than 12 months. While served under this schedule, the Small General Service rate is unavailable.
2. Company shall install a demand meter for a customer when:
 - a. Customer's connected load is estimated to be 20 kW or greater,
 - b. Customer is served single phase and has a service entrance capacity greater than 200 amperes,
 - c. Customer is served three phase at 120/208 or 120/240 volts and has a service entrance capacity greater than 200 amperes,
 - d. Customer is served three phase at 240/480 or 277/480 volts and has a service entrance capacity greater than 100 amperes, or
 - e. Customer's average monthly kWh use for four consecutive months exceeds 3,500 kWh.

If a demand meter is installed in accordance with the above, the customer may remain on the Small General Time of Day Service schedule as long as customer's maximum demand is less than 25 kW. When the customer achieves an actual maximum demand of 25 kW or greater, the customer will be placed on the General Time of Day Service schedule in the next billing month. A customer with a billing

(Continued on Sheet No. 24.1)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL TIME OF DAY SERVICE (Continued)
RATE CODE A12, A16, A18, A22

Section No. 5
12th Revised Sheet No. 24.1

TERMS AND CONDITIONS OF SERVICE (Continued)

demand of less than 25 kW for 12 consecutive months will be given the option of returning to the Small General Time of Day Service schedule.

3. Optional Metering Service: Optional metering is available subject to the provisions in the General Rules and Regulations, Section 1.5, for the following applications:
 - a. Kilowatt-hour Metered Service: For applications where a non-time of day meter is used, the time of day metering charge will be waived and the applicable lower monthly Customer Charge shall apply.
 - b. Unmetered Service: For applications where no metering is installed, the applicable lower monthly Customer Charge shall apply. If requested by Company, the customer agrees to receive one or more combined bills for all their unmetered service locations. For purposes of applying the appropriate customer service charge, one customer service charge shall be applied for every point of delivery. A point of delivery shall be any location where a meter would otherwise be required under this schedule.
 - c. Low Wattage Unmetered Service: For applications where customer owns and operates multiple electronic devices in at least 500 locations within Company's Minnesota electric service area. Such electronic devices are: 1) individually located at each point of delivery, 2) rated at less than 400 Watts, and 3) operated with a continuous and constant load level year round. Each individual electronic device must not in any way interfere with Company operations and service to adjacent customers. This optional metering service is not applicable to electric service for traffic signals, civil defense, or lighting. Company reserves the right to evaluate customer requests for this optional metering service to determine eligibility.

The monthly fixed charge under this optional metering service shall be \$0.30 per device for devices with a rating of 100 Watts or less. For devices with a rating over 100 Watts but less than 400 Watts, the monthly fixed charge shall be \$1.20 per device.

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In place of metered usage for each device, customer will be billed for the predetermined energy usage in kWh per device. The energy charge shall equal the sum of the predetermined energy usage for customer's low wattage devices in service for the billing month multiplied by the Constant Hourly Energy Charge applicable for the billing month.

Customer shall contract for this optional metering service through an electric service agreement with Company.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL GENERAL TIME OF DAY SERVICE (Continued)
RATE CODE A12, A16, A18, A22

Section No. 5
11th Revised Sheet No. 24.1

TERMS AND CONDITIONS OF SERVICE (Continued)

demand of less than 25 kW for 12 consecutive months will be given the option of returning to the Small General Time of Day Service schedule.

3. Optional Metering Service: Optional metering is available subject to the provisions in the General Rules and Regulations, Section 1.5, for the following applications:
- a. Kilowatt-hour Metered Service: For applications where a non-time of day meter is used, the time of day metering charge will be waived and the applicable lower monthly Customer Charge shall apply.
 - b. Unmetered Service: For applications where no metering is installed, the applicable lower monthly Customer Charge shall apply. If requested by Company, the customer agrees to receive one or more combined bills for all their unmetered service locations. For purposes of applying the appropriate customer service charge, one customer service charge shall be applied for every point of delivery. A point of delivery shall be any location where a meter would otherwise be required under this schedule.
 - c. Low Wattage Unmetered Service: For applications where customer owns and operates multiple electronic devices in at least 500 locations within Company's Minnesota electric service area. Such electronic devices are: 1) individually located at each point of delivery, 2) rated at less than 400 Watts, and 3) operated with a continuous and constant load level year round. Each individual electronic device must not in any way interfere with Company operations and service to adjacent customers. This optional metering service is not applicable to electric service for traffic signals, civil defense, or lighting. Company reserves the right to evaluate customer requests for this optional metering service to determine eligibility.

The monthly fixed charge under this optional metering service shall be \$0.29 per device for devices with a rating of 100 Watts or less. For devices with a rating over 100 Watts but less than 400 Watts, the monthly fixed charge shall be \$1.20 per device.

R

In place of metered usage for each device, customer will be billed for the predetermined energy usage in kWh per device. The energy charge shall equal the sum of the predetermined energy usage for customer's low wattage devices in service for the billing month multiplied by the Constant Hourly Energy Charge applicable for the billing month.

Customer shall contract for this optional metering service through an electric service agreement with Company.

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Northern States Power Company, a Minnesota corporation
and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

DIRECT CURRENT SERVICE (CLOSED)
RATE CODE A13

Section No. 5
13th Revised Sheet No. 25

CANCELED

Date Filed: 11-02-05

By: Cynthia L. Leshner

Effective Date: 02-01-07

President and CEO of Northern States Power Company

Docket No. E002/GR-05-1428

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Northern States Power Company, a Minnesota corporation
and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

DIRECT CURRENT SERVICE (CLOSED) (Continued)
RATE CODE A13

Section No. 5
2nd Revised Sheet No. 25.1

CANCELED

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President and CEO of Northern States Power Company
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**GENERAL SERVICE
RATE CODE A14**

Section No. 5
31st Revised Sheet No. 26

AVAILABILITY

Available to any non-residential customer for general service where customer is not required to be on a time-of-day rate schedule. Once the customer's 15-minute measured demands are equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the General Time of Day service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month		\$25.64	
Service at Secondary Voltage	<u>Oct-May</u>	<u>Jun-Sep</u>	R
Demand Charge per Month per kW	\$10.49	\$14.79	
Energy Charge per kWh		\$0.03407	R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours Times the Billing Demand		\$0.01518	R
	<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00105	R
Transmission Transformed Voltage	\$1.55	\$0.00267	R
Transmission Voltage	\$2.35	\$0.00277	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-27)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**GENERAL SERVICE
RATE CODE A14**

Section No. 5
30th Revised Sheet No. 26

AVAILABILITY

Available to any non-residential customer for general service where customer is not required to be on a time-of-day rate schedule. Once the customer's 15-minute measured demands are equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the General Time of Day service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month		\$25.64	
Service at Secondary Voltage	<u>Oct-May</u>	<u>Jun-Sep</u>	R
Demand Charge per Month per kW	\$11.00	\$15.54	
Energy Charge per kWh		\$0.03577	R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours Times the Billing Demand		\$0.01593	R
	<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00108	R
Transmission Transformed Voltage	\$1.55	\$0.00274	R
Transmission Voltage	\$2.35	\$0.00285	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-27)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**GENERAL SERVICE
RATE CODE A14**

Section No. 5
29th Revised Sheet No. 26

AVAILABILITY

Available to any non-residential customer for general service where customer is not required to be on a time-of-day rate schedule. Once the customer's 15-minute measured demands are equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the General Time of Day service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month		\$25.64		R
Service at Secondary Voltage	<u>Oct-May</u>		<u>Jun-Sep</u>	R
Demand Charge per Month per kW	\$10.71		\$15.25	
Energy Charge per kWh		\$0.03498		R
Energy Charge Credit per Month per kWh				
All kWh in Excess of 400 Hours Times the Billing Demand		\$0.01558		R
			<u>January - December</u>	
Voltage Discounts per Month	<u>Per kW</u>		<u>Per kWh</u>	
Primary Voltage	\$0.80		\$0.00106	R
Transmission Transformed Voltage	\$1.55		\$0.00271	R
Transmission Voltage	\$2.35		\$0.00281	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges. D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

(Continued on Sheet No. 5-27)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

GENERAL SERVICE (Continued)
RATE CODE A14

Section No. 5
8th Revised Sheet No. 27

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DETERMINATION OF DEMAND

The adjusted demand in kW for billing purposes shall be determined by dividing the maximum actual demand in kW by the power factor expressed in percent but not more than a 90% power factor and multiplying the quotient so obtained by 90% and rounding to the nearest whole kW. In no month shall the demand to be billed be considered as less than current month's adjusted demand in kW or 50% of the greatest monthly adjusted demand in kW during the preceding 11 months. In no month shall the billing demand be greater than the value in kW determined by dividing the kWh sales for the billing month by 100 hours per month.

The greatest monthly adjusted demand in kW during the preceding 11 months shall not include the additional demand which may result from customer's use of standby capacity contracted for under the Standby Service Rider.

MAXIMUM DEMAND

The maximum actual demand in kW shall be the greatest 15 minute load during the month for which bill is rendered.

POWER FACTOR

For three phase customers with services above 200 amperes or above 480 volts, the power factor for the month shall be determined by permanently installed metering equipment. For all single phase customers and three phase customers with services 200 amperes or less, a power factor of 90% will be assumed.

(Continued on Sheet No. 5-28)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

GENERAL SERVICE (Continued)
RATE CODE A14

Section No. 5
7th Revised Sheet No. 28

OFF SEASON LOAD SERVICE

The optional Off Season Load Service is available under this schedule subject to the provisions contained in the Off Season Load Rider.

STANDBY SERVICE

Standby Service and Supplemental Generation Service are available under this schedule subject to the provisions contained in the Standby Service Rider or Supplemental Generation Service Rider.

COMPETITIVE SERVICE

Competitive Service is available under this schedule subject to the provisions contained in the Competitive Response Rider.

MINIMUM DEMAND TO BE BILLED

The monthly minimum billing demand shall not be less than provided above.

SPLIT SERVICE

When approved by Company, customer's service may be split between General Service and General Time of Day Service rates. Only Company approved storage space cooling and storage space heating equipment qualifies for the General Time of Day Service portion of a split service installation. The thermal storage equipment shall be permanently wired, separately served and metered, and at no time connected to the general service portion of the split service installation. Each portion of customer's split service installation will be considered separately for all other rate application purposes.

(Continued on Sheet No. 28.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

GENERAL SERVICE (Continued)
RATE CODE A14

Section No. 5
5th Revised Sheet No. 28.1

TERMS AND CONDITIONS OF SERVICE

1. Alternating current service is provided at the following nominal voltage:
 - a. Secondary Voltage: Single or three phase from 208 volts up to but not including 2,400 volts,
 - b. Primary Voltage: Three phase from 2,400 volts up to but not including 69,000 volts,
 - c. Transmission Transformed Voltage: Three phase from 2,400 volts up to but not including 69,000 volts, where service is provided at the Company's disconnecting means of a distribution substation transformer, or
 - d. Transmission Voltage: Three phase at 69,000 volts or higher.

Service voltage available in any given case is dependent upon voltage and capacity of Company lines in vicinity of customer's premises.

2. Transmission Transformed Service is available only to customers served by an exclusively dedicated distribution feeder. Customer will be responsible for the cost of all facilities necessary to interconnect at the Company's disconnecting means of a distribution substation transformer.
3. Transmission Service is available at transmission voltage, subject to the terms and conditions contained in the Company's General Rules and Regulations, Section 5.1(B).
4. Customer selecting General Service will remain on this rate for a period of not less than 12 months.
5. If a customer has a billing demand of less than 25 kW for 12 consecutive months, the customer will be given the option of returning to the Small General Service schedule.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**GENERAL TIME OF DAY SERVICE
RATE CODE A15, A17, A19**

Section No. 5
27th Revised Sheet No. 29

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any non-residential customer for general service having a 15-minute measured demand equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1,000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Time Of Day Metered (A15)		\$29.64	
-- kWh Metered (A17)		\$25.64	
-- Unmetered (A19)		\$21.64	
Service at Secondary Voltage	<u>Oct-May</u>	<u>Jun-Sep</u>	
Demand Charge per Month per kW			
On Peak Period Demand	\$10.49	\$14.79	R
Off Peak Period Demand in Excess of On Peak Period Demand	\$2.35	\$2.35	
Energy Charge per kWh			
On Peak Period Energy	\$0.04855		R
Off Peak Period Energy	\$0.02341		R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours Times the On Peak Period Billing Demand, Not to Exceed 50% of Total kWh	\$0.01518		R
	<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00105	R
Transmission Transformed Voltage	\$1.55	\$0.00267	R
Transmission Voltage	\$2.35	\$0.00277	R

(Continued on Sheet No. 5-30)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**GENERAL TIME OF DAY SERVICE
RATE CODE A15, A17, A19**

Section No. 5
26th Revised Sheet No. 29

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any non-residential customer for general service having a 15-minute measured demand equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1,000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Time Of Day Metered (A15)			
-- kWh Metered (A17)		\$29.64	
-- Unmetered (A19)		\$25.64	
		\$21.64	
Service at Secondary Voltage	<u>Oct-May</u>	<u>Jun-Sep</u>	
Demand Charge per Month per kW			
On Peak Period Demand	\$11.00	\$15.54	R
Off Peak Period Demand in Excess of On Peak Period Demand	\$2.35	\$2.35	
Energy Charge per kWh			
On Peak Period Energy	\$0.05098		R
Off Peak Period Energy	\$0.02458		R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours Times the On Peak Period Billing Demand, Not to Exceed 50% of Total kWh	\$0.01593		R
	<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00108	R
Transmission Transformed Voltage	\$1.55	\$0.00274	R
Transmission Voltage	\$2.35	\$0.00285	R

(Continued on Sheet No. 5-30)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**GENERAL TIME OF DAY SERVICE
RATE CODE A15, A17, A19**

Section No. 5
25th Revised Sheet No. 29

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any non-residential customer for general service having a 15-minute measured demand equal to or greater than 1,000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1,000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month – Time Of Day Metered (A15)		\$29.64		R
-- kWh Metered (A17)		\$25.64		R
-- Unmetered (A19)		\$21.64		R
Service at Secondary Voltage	<u>Oct-May</u>		<u>Jun-Sep</u>	
Demand Charge per Month per kW				
On Peak Period Demand	\$10.71		\$15.25	R
Off Peak Period Demand in Excess of On Peak Period Demand	\$2.35		\$2.35	R
Energy Charge per kWh				
On Peak Period Energy		\$0.04986		R
Off Peak Period Energy		\$0.02404		R
Energy Charge Credit per Month per kWh				
All kWh in Excess of 400 Hours Times the On Peak Period Billing Demand, Not to Exceed 50% of Total kWh		\$0.01558		R
		<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>		<u>Per kWh</u>	
Primary Voltage	\$0.80		\$0.00106	R
Transmission Transformed Voltage	\$1.55		\$0.00271	R
Transmission Voltage	\$2.35		\$0.00281	R

D

(Continued on Sheet No. 5-30)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

GENERAL TIME OF DAY SERVICE (Continued)
RATE CODE A15, A17, A19

Section No. 5
15th Revised Sheet No. 30

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PEAK PERIODS

The on peak period is defined as those hours between 9:00 a.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The off peak period is defined as all other hours. Definition of on peak and off peak period is subject to change with change in Company's system operating characteristics.

(Continued on Sheet No. 5-31)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

GENERAL TIME OF DAY SERVICE (Continued)
RATE CODE A15, A17, A19

Section No. 5
8th Revised Sheet No. 31

DETERMINATION OF ON PEAK PERIOD DEMAND

The actual on peak period demand in kW shall be the greatest 15-minute load for the on peak period during the month for which the bill is rendered. The adjusted demand in kW for billing purposes shall be determined by dividing the actual on peak demand by the power factor expressed in percent but not more than 90%, multiplying the quotient so obtained by 90%, and rounding to the nearest whole kW. In no month shall the on peak period demand to be billed be considered as less than the current month's adjusted on peak period demand in kW, or 50% of the greatest monthly adjusted on peak period demand in kW during the preceding 11 months. In no month shall the on peak billing demand be greater than the value in kW determined by dividing the kWh sales for the billing month by 100 hours per month.

The greatest monthly adjusted on peak period demand in kW during the preceding 11 months shall not include the additional demand which may result from customer's use of standby capacity contracted for under the Standby Service Rider.

DETERMINATION OF OFF PEAK PERIOD DEMAND IN EXCESS OF ON PEAK PERIOD DEMAND

The actual off peak period demand in kilowatts shall be the greatest 15-minute load for the off peak period during the month for which the bill is rendered rounded to the nearest whole kW. In no month shall the off peak period demand for billing purposes be considered as less than the current month's actual off peak period demand in kW, or 50% of the greatest monthly actual off peak period demand in kW during the preceding 11 months.

The greatest monthly adjusted off peak period demand in kW during the preceding 11 months shall not include the additional demand which may result from customer's use of standby capacity contracted for under the Standby Service Rider.

The off peak period demand in excess of on peak period demand in kW to be billed shall be determined by subtracting the billing on peak period demand from the actual off peak period demand as defined above only the off peak period demand is greater.

POWER FACTOR

For three phase customers with services above 200 amperes, or above 480 volts, the power factor for the month shall be determined by permanently installed metering equipment. For all single phase customers and three phase customers with services 200 amperes or less, a power factor of 90% will be assumed.

(Continued on Sheet No. 5-32)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

GENERAL TIME OF DAY SERVICE (Continued)
RATE CODE A15, A17, A19

Section No. 5
6th Revised Sheet No. 32

COMPETITIVE SERVICE

Competitive Service is available under this schedule subject to the provisions contained in the Competitive Response Rider.

STANDBY SERVICE

Standby Service is available under this schedule subject to the provisions contained in the Standby Service Rider.

MINIMUM DEMAND TO BE BILLED

The monthly minimum on peak period billing demand shall not be less than provided above.

SPLIT SERVICE

When approved by Company, customer's service may be split between General Service and General Time of Day Service rates. Only Company approved storage space cooling and storage space heating equipment qualifies for the General Time of Day Service portion of a split service installation. The thermal storage equipment shall be permanently wired, separately served and metered, and at no time connected to the general service portion of the split service installation. Each portion of customer's split service installation will be considered separately for all other rate application purposes.

OPTIONAL TRIAL SERVICE

Customers may elect time of day service for a trial period of three months. If a customer chooses to return to non-time of day service after the trial period, the customer will pay a charge of \$35.00 for removal of time of day metering equipment.

TERMS AND CONDITIONS OF SERVICE

1. Alternating current service is provided at the following nominal voltages:
 - a. Secondary Voltage: Single or three phase from 208 volts up to but not including 2,400 volts,
 - b. Primary Voltage: Three phase from 2,400 volts up to but not including 69,000 volts,
 - c. Transmission Transformed Voltage: Three phase from 2,400 volts up to but not including 69,000 volts, where service is provided at the Company's disconnecting means of a distribution substation transformer, or
 - d. Transmission Voltage: Three phase at 69,000 volts or higher.

Service voltage available in any given case is dependent upon voltage and capacity of Company lines in vicinity of customer's premises.

(Continued on Sheet No. 5-32.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

GENERAL TIME OF DAY SERVICE (Continued)
RATE CODE A15, A17, A19

Section No. 5
5th Revised Sheet No. 32.1

TERMS AND CONDITIONS OF SERVICE (Continued)

2. Transmission Transformed Service is available only to customers served by an exclusively dedicated distribution feeder. Customer will be responsible for the cost of all facilities necessary to interconnect at the Company's disconnecting means of a distribution substation transformer.
3. Transmission Service is available at transmission voltage, subject to the terms and conditions contained in the Company's General Rules and Regulations, Section 5.1(B).
4. Customer selecting the above time of day rate schedule will remain on this rate for a period of not less than 12 months.
5. If a customer has a billing demand of less than 25 kW for 12 consecutive months, the customer will be given the option of returning to the Small General Time of Day Service schedule.
6. Optional Metering Service: Optional metering is available subject to the provisions in the General Rules and Regulations, Section 1.5, for the following applications:
 - a. Kilowatt-hour Metered Service: For applications where a non-time of day meter is used, the time of day metering charge will be waived and the applicable lower monthly Customer Charge shall apply.
 - b. Unmetered Service: This rate is for applications where no metering is installed and the applicable lower monthly Customer Charge shall apply. If requested by Company, the customer agrees to receive one or more combined bills for all their unmetered service locations. For purposes of applying the appropriate customer service charge, one customer service charge shall be applied for every point of delivery. A point of delivery shall be any location where a meter would otherwise be required under this schedule.

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Northern States Power Company, a Minnesota corporation
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (CLOSED)
RATE CODE A20

Section No. 5
13th Revised Sheet No. 33

CANCELED

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (CLOSED) (Continued)
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Section No. 5
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (CLOSED) (Continued)
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Section No. 5
2nd Revised Sheet No. 35

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (CLOSED) (Continued)
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE (CLOSED)
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Section No. 5
8th Revised Sheet No. 36

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE (CLOSED)
(Continued)
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8th Revised Sheet No. 37

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE (CLOSED)
(Continued)
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2nd Revised Sheet No. 38

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED TIME OF DAY SERVICE
(CLOSED) (Continued)
RATE CODE A21**

Section No. 5
1st Revised Sheet No. 39

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED SERVICE
RATE CODE A23**

Section No. 5
22nd Revised Sheet No. 40

AVAILABILITY

Available to any non-residential customer for general service who agrees to control demand to a predetermined level whenever required by Company and where customer is not required to be on a time-of-day rate schedule. Once the customer's total 15-minute measured demands (Firm plus Controllable) are equal to or greater than 1000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the Peak Controlled Time of Day service. Availability is restricted to customers with a minimum Controllable demand of 50 kW.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month		\$55.00	
Service at Secondary Voltage			
Energy Charge per kWh		\$0.03407	R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours		\$0.01518	R
Times the Sum of All Billing Demands			
Demand Charge per Month per kW	<u>Tier 1</u>	<u>Tier 2</u>	
Firm Demand			
June - September	\$14.79	\$14.79	R
Other Months	\$10.49	\$10.49	R
Controllable Demand (Jan-Dec)			
Level A: < 65% PF	Not Available	\$8.88	R
Level B: ≥ 65% and < 85% PF	\$7.15	\$7.86	R
Level C: ≥ 85% PF	\$6.56	\$7.34	R
Short Notice Rider	\$6.09	Not Available	R
	<u>January – December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00105	
Transmission Transformed Voltage	\$1.55	\$0.00267	R
Transmission Voltage	\$2.35	\$0.00277	R

(Continued on Sheet No. 5-41)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED SERVICE
RATE CODE A23**

Section No. 5
21st Revised Sheet No. 40

AVAILABILITY

Available to any non-residential customer for general service who agrees to control demand to a predetermined level whenever required by Company and where customer is not required to be on a time-of-day rate schedule. Once the customer's total 15-minute measured demands (Firm plus Controllable) are equal to or greater than 1000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the Peak Controlled Time of Day service. Availability is restricted to customers with a minimum Controllable demand of 50 kW.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month		\$55.00	
Service at Secondary Voltage			
Energy Charge per kWh		\$0.03577	R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours		\$0.01593	R
Times the Sum of All Billing Demands			
Demand Charge per Month per kW	<u>Tier 1</u>	<u>Tier 2</u>	
Firm Demand			
June - September	\$15.54	\$15.54	R
Other Months	11.00	\$11.00	R
Controllable Demand (Jan-Dec)			
Level A: < 65% PF	Not Available	\$9.32	R
Level B: ≥ 65% and < 85% PF	\$7.51	\$8.25	R
Level C: ≥ 85% PF	\$6.89	\$7.71	R
Short Notice Rider	\$6.39	Not Available	R
	<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00108	
Transmission Transformed Voltage	\$1.55	\$0.00274	R
Transmission Voltage	\$2.35	\$0.00285	R

(Continued on Sheet No. 5-41)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED SERVICE
RATE CODE A23**

Section No. 5
20th Revised Sheet No. 40

AVAILABILITY

Available to any non-residential customer for general service who agrees to control demand to a predetermined level whenever required by Company and where customer is not required to be on a time-of-day rate schedule. Once the customer's total 15-minute measured demands (Firm plus Controllable) are equal to or greater than 1000 kW for at least 4 of the past 12 consecutive months, the customer will be transferred to the Peak Controlled Time of Day service. Availability is restricted to customers with a minimum Controllable demand of 50 kW.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month		\$55.00	
Service at Secondary Voltage			
Energy Charge per kWh		\$0.03498	R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours		\$0.01558	R
Times the Sum of All Billing Demands			
Demand Charge per Month per kW	<u>Tier 1</u>	<u>Tier 2</u>	
Firm Demand			
June - September	\$15.25	\$15.25	R
Other Months	\$10.71	\$10.71	R
Controllable Demand (Jan-Dec)			
Level A: < 65% PF	Not Available	\$9.05	R
Level B: ≥ 65% and < 85% PF	\$7.35	\$8.07	R
Level C: ≥ 85% PF	\$6.75	\$7.55	R
Short Notice Rider	\$6.25	Not Available	R
	<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00106	
Transmission Transformed Voltage	\$1.55	\$0.00271	R
Transmission Voltage	\$2.35	\$0.00281	R

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
18th Revised Sheet No. 41

D

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PERFORMANCE FACTOR (PF)

Performance factor is defined in percentage terms as the average of the July and August calendar month unadjusted maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, or which has been permanently shifted out of normal control period times, divided by the unadjusted maximum annual Controllable Demand. Customers claiming permanent load shifts must provide verification to Company, based on NSP's established criteria.

DETERMINATION OF DEMAND

Maximum Actual Demand in kW shall be the greatest 15-minute load during the billing month.

Adjusted Demand in kW for billing purposes shall be determined by dividing the Maximum Actual Demand in kW by the power factor expressed in percent but not more than a 90% power factor and multiplying the quotient so obtained by 90% and rounding to the nearest whole kW.

(Continued on Sheet No. 5-42)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
6th Revised Sheet No. 42

DETERMINATION OF DEMAND (Continued)

Predetermined Demand shall be specified and agreed to by the customer and Company. Customer's Adjusted Demand must not exceed the Predetermined Demand Level (PDL) during a control period.

Standard PDL customers must agree to a fixed demand level and limit load to that level during a control period.

Optional PDL customers must agree to reduce demand by a fixed amount during a control period. Customer's Firm Demand will vary from month-to-month while the Controllable Demand remains fixed each month. The Firm Demand will be the Adjusted Demand (based on the Maximum Actual Demand for the month) less the fixed amount of Controllable Demand. Customer's PDL will be the monthly adjusted demand less the fixed load reduction. Customers selecting the Optional PDL must either be equipped with back-up generation to provide the fixed load reduction or have a specific load that can be separately sub-metered and has an annual load factor of 90% or greater.

Firm Demand for the billing month shall be the lesser of Predetermined Demand or Adjusted Demand, except in months when customer fails to control load to Predetermined Demand Level when requested by Company. In these months, Firm Demand shall be the adjusted demand established during the control period. For optional PDL customers, Firm Demand shall be Adjusted Demand less Controllable Demand, except in months when customer fails to control the full amount of their fixed Controllable Demand. In these months the Firm Demand shall be the Adjusted Demand less the amount of Demand that was controlled as shown by meter measurement.

Controllable Demand shall be the difference between Adjusted Demand during the billing month and the greater of Predetermined Demand or Firm Demand, but never less than zero.

Minimum Demand to be billed each month as either Firm Demand, Controllable Demand or a combination of both shall not be less than the current month's adjusted demand in kW.

POWER FACTOR

The power factor for the month shall be determined by permanently installed metering equipment.

ANNUAL MINIMUM DEMAND CHARGE

The Annual Minimum Demand Charge shall be no less than six times the average monthly Firm Demand Charge per kW times the maximum Predetermined Demand, plus six times the Controllable Demand Charge per kW times the maximum Controllable Demand.

(Continued on Sheet No. 5-43)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
6th Revised Sheet No. 43

TIER 1 PEAK CONTROLLED SHORT NOTICE

Tier 1 Peak Controlled Short Notice is available under this schedule subject to the provisions contained in the Tier 1 Peak Controlled Short Notice Rider.

COMPETITIVE SERVICE

Competitive Service is available under this schedule subject to the provisions contained in the Competitive Response Rider.

OTHER PROVISIONS

Peak Controlled Service is also subject to provisions contained in Rules for Application of Peak Controlled Services.

TERMS AND CONDITIONS OF SERVICE

1. Alternating current service is provided at the following nominal voltages:
 - a. Secondary Voltage: Single or three phase from 208 volts up to but not including 2,400 volts,
 - b. Primary Voltage: Three phase from 2,400 volts up to but not including 69,000 volts,
 - c. Transmission Transformed Voltage: Three phase from 2,400 volts up to but not including 69,000 volts, where service is provided at the Company's disconnecting means of a distribution substation transformer, or
 - d. Transmission Voltage: Three phase at 69,000 volts or higher.

Service voltage available in any given case is dependent upon voltage and capacity of Company lines in vicinity of customer's premises.

2. Transmission Transformed Service is available only to customers served by an exclusively dedicated distribution feeder. Customer will be responsible for the cost of all facilities necessary to interconnect at the Company's disconnecting means of a distribution substation transformer.
3. Transmission Service is available at transmission voltage, subject to the terms and conditions contained in the Company's General Rules and Regulations, Section 5.1(B).

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED TIME OF DAY SERVICE
RATE CODE A24**

Section No. 5
17th Revised Sheet No. 44

AVAILABILITY

Available to any non-residential customer for general service who agrees to control demand to a predetermined level whenever required by Company. Availability is restricted to customers with a minimum controllable demand of 50 kW.

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any Peak Controlled customer having a 15-minute measured demand equal to or greater than 1000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month	\$55.00	
Service at Secondary Voltage		
Energy Charge per kWh		
On Peak Period Energy	\$0.04855	R
Off Peak Period Energy	\$0.02341	R
Energy Charge Credit per Month per kWh		
All kWh in Excess of 400 Hours Times the Sum of All On Peak Period Billing Demands, Not to Exceed 50% of Total kWh	\$0.01518	R

(Continued on Sheet No. 5-45)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE
RATE CODE A24

Section No. 5
16th Revised Sheet No. 44

AVAILABILITY

Available to any non-residential customer for general service who agrees to control demand to a predetermined level whenever required by Company. Availability is restricted to customers with a minimum controllable demand of 50 kW.

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any Peak Controlled customer having a 15-minute measured demand equal to or greater than 1000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month	\$55.00	
Service at Secondary Voltage		
Energy Charge per kWh		
On Peak Period Energy	\$0.05098	R
Off Peak Period Energy	\$0.02458	R
Energy Charge Credit per Month per kWh		
All kWh in Excess of 400 Hours Times the Sum of All On Peak Period Billing Demands, Not to Exceed 50% of Total kWh	\$0.01593	R

(Continued on Sheet No. 5-45)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED TIME OF DAY SERVICE
RATE CODE A24**

Section No. 5
15th Revised Sheet No. 44

AVAILABILITY

Available to any non-residential customer for general service who agrees to control demand to a predetermined level whenever required by Company. Availability is restricted to customers with a minimum controllable demand of 50 kW.

AVAILABILITY-MANDATORY

Effective November 1, 2007, this rate schedule is mandatory for any Peak Controlled customer having a 15-minute measured demand equal to or greater than 1000 kW for at least 4 of the past 12 consecutive months. Customer will remain on this rate schedule on a mandatory basis unless their demand remains below 1000 kW for 12 consecutive months.

AVAILABILITY-OPTIONAL

This rate schedule is optional for any non-residential customer for general service where customer is not required to be on a time-of-day rate.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Month	\$55.00	
Service at Secondary Voltage		
Energy Charge per kWh		
On Peak Period Energy	\$0.04986	R
Off Peak Period Energy	\$0.02404	R
Energy Charge Credit per Month per kWh		
All kWh in Excess of 400 Hours Times the Sum of All On Peak Period Billing Demands, Not to Exceed 50% of Total kWh	\$0.01558	R

(Continued on Sheet No. 5-45)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED TIME OF DAY SERVICE
(Continued)
RATE CODE A24**

Section No. 5
25th Revised Sheet No. 45

RATE (Continued)

Demand Charge per Month per kW	<u>Tier 1</u>	<u>Tier 2</u>	
On Peak Period Demand			
Firm Demand			
June - September	\$14.79	\$14.79	R
Other Months	\$10.49	\$10.49	R
Controllable Demand (Jan-Dec)			
Level A: < 65% PF	Not Available	\$8.88	R
Level B: ≥ 65% and < 85% PF	\$7.15	\$7.86	R
Level C: ≥ 85% PF	\$6.56	\$7.34	R
Short Notice Rider	\$6.09	Not Available	R
Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec)	\$2.35	\$2.35	
	<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00105	R
Transmission Transformed Voltage	\$1.55	\$0.00267	R
Transmission Voltage	\$2.35	\$0.00277	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

(Continued on Sheet No. 5-46)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED TIME OF DAY SERVICE
(Continued)
RATE CODE A24**

Section No. 5
24th Revised Sheet No. 45

RATE (Continued)

Demand Charge per Month per kW	<u>Tier 1</u>	<u>Tier 2</u>	
On Peak Period Demand			
Firm Demand			
June - September	\$15.54	\$15.54	R
Other Months	\$11.00	\$11.00	R
Controllable Demand (Jan-Dec)			
Level A: < 65% PF	Not Available	\$9.32	R
Level B: ≥ 65% and < 85% PF	\$7.51	\$8.25	R
Level C: ≥ 85% PF	\$6.89	\$7.71	R
Short Notice Rider	\$6.39	Not Available	R
Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec)	\$2.35	\$2.35	
	<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00108	R
Transmission Transformed Voltage	\$1.55	\$0.00274	R
Transmission Voltage	\$2.35	\$0.00285	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

(Continued on Sheet No. 5-46)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED TIME OF DAY SERVICE
(Continued)
RATE CODE A24**

Section No. 5
23rd Revised Sheet No. 45

RATE (Continued)

Demand Charge per Month per kW	<u>Tier 1</u>	<u>Tier 2</u>	
On Peak Period Demand			
Firm Demand			
June - September	\$15.25	\$15.25	R
Other Months	\$10.71	\$10.71	R
Controllable Demand (Jan-Dec)			
Level A: < 65% PF	Not Available	\$9.05	R
Level B: ≥ 65% and < 85% PF	\$7.35	\$8.07	R
Level C: ≥ 85% PF	\$6.75	\$7.55	R
Short Notice Rider	6.25	Not Available	R
Off Peak Period Demand in Excess of On Peak Period Demand (Jan-Dec)	\$2.35	\$2.35	R
	<u>January - December</u>		
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00106	R
Transmission Transformed Voltage	\$1.55	\$0.00271	R
Transmission Voltage	\$2.35	\$0.00281	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges. D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

(Continued on Sheet No. 5-46)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED TIME OF DAY SERVICE
(Continued)
RATE CODE A24**

Section No. 5
12th Revised Sheet No. 46

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PEAK PERIODS

The on peak period is defined as those hours between 9:00 a.m. and 9:00 p.m. Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When a designated holiday occurs on Sunday, the following Monday will be designated a holiday. The off peak period is defined as all other hours. Definition of on peak and off peak period is subject to change with change in Company's system operating characteristics.

DEFINITION OF PERFORMANCE FACTOR (PF)

Performance factor is defined in percentage terms as the average of the July and August calendar month unadjusted maximum Controllable Demand occurring from 1 p.m. to 7 p.m. on weekdays, or which has been permanently shifted out of normal control period times, divided by the unadjusted maximum annual Controllable Demand. Customers claiming permanent load shifts must provide verification to Company, based on NSP established criteria.

DETERMINATION OF DEMAND

Maximum Actual On Peak Period Demand in kW shall be the greatest 15-minute load for the on peak period during the billing month.

Adjusted On Peak Period Demand in kW for billing purposes shall be determined by dividing the Maximum Actual on peak demand by the power factor expressed in percent but not more than 90%, multiplying the quotient so obtained by 90%, and rounding to the nearest whole kW.

Maximum Actual Off Peak Period Demand in kW shall be the greatest 15-minute load for the off peak period during the billing month rounded to the nearest whole kW. In no month shall the off peak period demand for billing purposes be considered as less than the current month's actual off peak period demand in kW.

Off Peak Period Demand in Excess of On Peak Period Demand in kW to be billed shall be determined by subtracting the billing on peak period demand from the actual off peak period demand only if the off peak period demand is greater.

(Continued on Sheet No. 5-47)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PEAK CONTROLLED TIME OF DAY SERVICE
(Continued)
RATE CODE A24**

Section No. 5
7th Revised Sheet No. 47

Predetermined Demand shall be specified and agreed to by the customer and Company. Customer's adjusted on peak demand must not exceed the predetermined demand level (PDL) during a control period.

Standard PDL customers must agree to a fixed demand level and limit load to that level during a control period.

Optional PDL customers must agree to reduce demand by a fixed amount during a control period. Customer's Firm Demand will vary from month-to-month while the Controllable Demand remains fixed each month. The Firm Demand will be the Adjusted Demand (based on the Maximum Actual Demand for the month) less the fixed amount of Controllable Demand. Customer's PDL will be the monthly adjusted on peak demand less the fixed load reduction. Customers selecting the Optional PDL must either be equipped with back-up generation to provide the fixed load reduction or have a specific load that can be separately sub-metered and has an annual load factor of 90% or greater.

Firm Demand for the billing month shall be the lesser of Predetermined Demand or Adjusted on Peak Period Demand, except in months when customer fails to control load to Predetermined Demand Level when requested by Company. In these months, Firm Demand shall be the adjusted on peak period demand established during the control period. For Optional PDL customers, Firm Demand shall be Adjusted On Peak Demand less Controllable Demand, except in months when customer fails to control the full amount of their fixed Controllable Demand, In the months the Firm Demand shall be the Adjusted On Peak Period Demand less the amount of Demand that was controlled as shown by meter measurement.

Controllable Demand shall be the difference between Adjusted on Peak Period Demand during the billing month and the greater of Predetermined Demand or firm demand, but never less than zero.

Minimum On Peak Demand to be billed each month as either Firm Demand Controllable Demand or combination of both shall not be less than the current month's Adjusted on Peak Period Demand in kW.

POWER FACTOR

The power factor for the month shall be determined by permanently installed metering equipment.

ANNUAL MINIMUM DEMAND CHARGE

The Annual Minimum Demand Charge shall be no less than six times the average monthly Firm Demand Charge per kW times the predetermined demand, plus six times the Controllable Demand Charge per kW times the maximum Controllable Demand.

(Continued on Sheet No. 47.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED TIME OF DAY SERVICE (Continued)
RATE CODE A24

Section No. 5
6th Revised Sheet No. 47.1

TIER 1 ENERGY CONTROLLED SERVICE

Tier 1 Energy Controlled Service is available under this schedule subject to the provisions contained in the Tier 1 Energy Controlled Service Rider.

TIER 1 PEAK CONTROLLED SHORT NOTICE

Tier 1 Peak Controlled Short Notice option is available under this schedule subject to the provisions contained in the Tier 1 Peak Controlled Short Notice Rider.

COMPETITIVE SERVICE

Competitive Service is available under this schedule subject to the provisions contained in the Competitive Response Rider.

OTHER PROVISIONS

Peak Controlled Time of Day Service is also subject to provisions contained in Rules for Application of Peak Controlled Services.

TERMS AND CONDITIONS OF SERVICE

1. Alternating current service is provided at the following nominal voltages:
 - a. Secondary Voltage: Single or three phase from 208 volts up to but not including 2,400 volts,
 - b. Primary Voltage: Three phase from 2,400 volts up to but not including 69,000 volts,
 - c. Transmission Transformed Voltage: Three phase from 2,400 volts up to but not including 69,000 volts, where service is provided at the Company's disconnecting means of a distribution substation transformer, or
 - d. Transmission Voltage: Three phase at 69,000 volts or higher.

Service voltage available in any given case is dependent upon voltage and capacity of Company lines in vicinity of customer's premises.

2. Transmission Transformed Service is available only to customers served by an exclusively dedicated distribution feeder. Customer will be responsible for the cost of all facilities necessary to interconnect at the Company's disconnecting means of a distribution substation transformer.
3. Transmission Service is available at transmission voltage, subject to the terms and conditions contained in the Company's General Rules and Regulations, Section 5.1(B).

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RULES FOR APPLICATION OF PEAK CONTROLLED
SERVICES**

Section No. 5
7th Revised Sheet No. 48

1. Customer has the responsibility of controlling own load to Predetermined Demand Level.
2. Customer must allow Company to inspect and approve the load control installation and equipment provided by customer.
3. If controlled demand is 10,000 kW or larger, Company may require customer to:
 - a. Provide auxiliary contacts for remote indication of position of switch or circuit breaker used to control demand and wire auxiliary contacts into a connection point designated by Company,
 - b. Install the remote breaker indication equipment provided by Company, and
 - c. Provide a continuous 120 volt AC power source at the connection point for operation of the Company remote breaker indication equipment.
4. Company will endeavor to give customer one hour notice of commencement of control period, and as much additional notice as is practical. However, control period may be commenced without notice should Company determine such action is necessary.
5. Failure to Control Charge: An additional charge of \$8.00 (\$10.00 for Tier 1) per kW will apply during each Company specified control period to the amount by which customer's Maximum Adjusted Demand or Maximum Adjusted On Peak Period Demand exceeds their predetermined demand level. After three such customer failures to control load to their Predetermined Demand Level, Company reserves the right to increase the Predetermined Demand Level, or transfer customer to General Service or General Time of Day Service and apply the cancellation charge specified in customer's Electric Service Agreement.
6. The duration and frequency of control periods shall be at the discretion of Company. Control periods will normally occur when:
 - a. Company expects a reasonable possibility of system load levels surpassing the level for which NSP has sufficient accredited capacity under the Midwest Reliability Organization (MRO) or any successor organization, including reserve requirements, or
 - b. In Company's opinion, the reliability of the system is endangered.

(Continued on Sheet No. 5-49)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RULES FOR APPLICATION OF PEAK CONTROLLED
SERVICES (Continued)**

Section No. 5
6th Revised Sheet No. 49

7. Customer must execute an Electric Service Agreement with Company which will include:

Peak Controlled Service - Tier 1

- a. A minimum initial 10 year term of service which includes a one year trial period and a three year cancellation notice effective after the initial term of service,
- b. The Predetermined Demand Level, or the fixed Controllable Demand if Optional PDL is selected which may be revised subject to approval by Company,
- c. Maximum 150 hours of interruption,
- d. Cancellation charge terms, and
- e. Control period notice.

Peak Controlled Service - Tier 2

- a. A minimum initial five year term of service which includes a one year trial period and a six month cancellation notice effective after the initial term of service,
- b. The Predetermined Demand Level, or the fixed Controllable Demand if Optional PDL is selected which may be revised subject to approval by Company,
- c. Maximum 80 hours of interruption,
- d. Cancellation charge terms, and
- e. Control period notice.

8. Peak Controlled Service customers choosing the Tier 1 rate option will be subject to an additional monthly charge for a Company approved and installed two-way communications system. The system equipment allows NSP to determine remotely customer load levels and to notify customers of control periods.
9. Minimum Controllable Demand during the Company's peak season shall be 50 kW.
10. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
11. 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.

(Continued on Sheet No. 5-50)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RULES FOR APPLICATION OF PEAK CONTROLLED
SERVICES (Continued)**

Section No. 5
6th Revised Sheet No. 50

12. Customers choosing the Predetermined Demand Level option requiring a fixed demand reduction will be subject to an additional charge for metering and billing when additional metering equipment is necessary. The additional charge is \$17.00 per month for an application using a single meter in close proximity to customer's service point. The additional charge for more complex applications will be based on the actual costs of the specific application.
13. Company will maintain Firm Demand Charge rates at the General Service and General Time of Day Service levels, whichever is applicable.
14. Any customer with generating equipment which is operated in parallel with Company must comply with all requirements associated with parallel operations as specified in the General Rules and Regulations of the Company.
15. Any load served by customer generation during Company requested control periods must be served by Company at all other times.
16. Customers selecting Peak Controlled Services will normally remain at a specific Performance Factor level for a minimum of one year, subject to the Company's discretion. The Company may transfer customers between Performance Factor levels following verification of a customer's performance, as defined in the applicable rate schedule and as specified in the customer's Electric Service Agreement. This rate contemplates that increases in summer Controllable Demand, which thereby affect a customer's Performance Factor level, will be at sufficient consumption levels to yield a July and August calendar month load factor of 34% or greater. The Company reserves the right to limit the customer's eligibility to be on a higher Performance Factor level due to the above restriction.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (CLOSED)
RATE CODE A26

Section No. 5
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (CLOSED)
(Continued)
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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (CLOSED)
(Continued)
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (CLOSED)
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (CLOSED)
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (CLOSED) (Continued)
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and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (CLOSED)
(Continued)
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and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)
RATE CODE A60 (FIRM) AND
RATE CODE A61 (CONTROLLABLE)

Section No. 5
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and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)
(Continued)

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RATE CODE A60 (FIRM) AND
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and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)
(Continued)
RATE CODE A60 (FIRM) AND
RATE CODE A61 (CONTROLLABLE)

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and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)
(Continued)
RATE CODE A60 (FIRM) AND
RATE CODE A61 (CONTROLLABLE)

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and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)
(Continued)
RATE CODE A60 (FIRM) AND
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and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)
(Continued)
RATE CODE A60 (FIRM) AND
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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE

Section No. 5

RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

11th Revised Sheet No. 64

AVAILABILITY

Available to customers with a minimum peak demand of 1,000 kW. Availability may be restricted to limit total customer peak demand to a maximum of 150,000 kW. The controllable service option requires a minimum controllable load of 500 kW.

RATE

Customer Charge per Month \$300.00

Demand Charge per Month per kW

Contract Demand \$9.94

R

Distribution Demand by Voltage

Secondary	Primary	Transmission Transformed	Transmission
\$1.97	\$0.97	\$0.36	\$0.00

R

Energy Charge per kWh

Day-Type

	1	2	3	4	5	6	7	8
12 a.m.-6 a.m.	\$0.03432	\$0.02800	\$0.02552	\$0.02391	\$0.02324	\$0.02189	\$0.02113	\$0.01978
6 a.m.- 9 a.m.	\$0.06181	\$0.04925	\$0.03932	\$0.04111	\$0.03977	\$0.03446	\$0.02775	\$0.02243
9 a.m.-12 p.m.	\$0.16995	\$0.09623	\$0.06050	\$0.04817	\$0.03701	\$0.02991	\$0.02471	\$0.02331
12 p.m.- 6 p.m.	\$0.28050	\$0.18790	\$0.09735	\$0.05743	\$0.03701	\$0.02991	\$0.02471	\$0.02331
6 p.m.- 9 p.m.	\$0.20679	\$0.13310	\$0.07845	\$0.04959	\$0.03701	\$0.02991	\$0.02471	\$0.02331
9 p.m.-12 a.m.	\$0.06181	\$0.04925	\$0.04302	\$0.03724	\$0.03051	\$0.02784	\$0.02425	\$0.02243

R
R
R
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R

Day-type energy charges are subject to the Stability Factor Adjustment provision.

R

Annual Day-Type Distribution

Normal	5	5	10	35	60	110	60	80
Maximum	8	8	16	50	n/a	n/a	n/a	n/a

R

Limited Energy Surcharge per kWh \$0.2000

All kWh during peak period hours in excess of Contract Demand

Energy Charge Credit per Month \$0.01143

All kWh in excess of 400 times Contract Demand, not to exceed 50% of total kWh

R

Energy Charge Voltage Discount per kWh

Primary	Transmission Transformed	Transmission
\$0.00105	\$0.00267	\$0.00277

R

R

(Continued on Sheet No. 5-65)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE

Section No. 5

RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

10th Revised Sheet No. 64

AVAILABILITY

Available to customers with a minimum peak demand of 1,000 kW. Availability may be restricted to limit total customer peak demand to a maximum of 150,000 kW. The controllable service option requires a minimum controllable load of 500 kW.

RATE

Customer Charge per Month \$300.00

Demand Charge per Month per kW
Contract Demand \$10.43

Distribution Demand by Voltage

Secondary	Primary	Transmission Transformed	Transmission
\$2.07	\$1.07	\$0.46	\$0.00

Energy Charge per kWh	Day-Type								
	1	2	3	4	5	6	7	8	
12 a.m.-6 a.m.	\$0.03603	\$0.02939	\$0.02679	\$0.02510	\$0.02440	\$0.02298	\$0.02218	\$0.02076	R R R R R R
6 a.m.- 9 a.m.	\$0.06489	\$0.05170	\$0.04128	\$0.04315	\$0.04175	\$0.03617	\$0.02913	\$0.02355	
9 a.m.-12 p.m.	\$0.17840	\$0.10102	\$0.06351	\$0.05057	\$0.03885	\$0.03140	\$0.02594	\$0.02447	
12 p.m.- 6 p.m.	\$0.29445	\$0.19725	\$0.10219	\$0.06029	\$0.03885	\$0.03140	\$0.02594	\$0.02447	
6 p.m.- 9 p.m.	\$0.21708	\$0.13972	\$0.08235	\$0.05206	\$0.03885	\$0.03140	\$0.02594	\$0.02447	
9 p.m.-12 a.m.	\$0.06489	\$0.05170	\$0.04516	\$0.03909	\$0.03203	\$0.02922	\$0.02546	\$0.02355	

Day-type energy charges are subject to the Stability Factor Adjustment provision.

Annual Day-Type Distribution	1	2	3	4	5	6	7	8
Normal	5	5	10	35	60	110	60	80
Maximum	8	8	16	50	n/a	n/a	n/a	n/a

Limited Energy Surcharge per kWh \$0.2100
All kWh during peak period hours in excess of Contract Demand

Energy Charge Credit per Month \$0.0120
All kWh in excess of 400 times Contract Demand, not to exceed 50% of total kWh

Energy Charge Voltage Discount per kWh

Primary	Transmission Transformed	Transmission
\$0.00108	\$0.00274	\$0.00285

R

(Continued on Sheet No. 5-65)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE

Section No. 5

RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

9th Revised Sheet No. 64

AVAILABILITY

Available to customers with a minimum peak demand of 1,000 kW. Availability may be restricted to limit total customer peak demand to a maximum of 150,000 kW. The controllable service option requires a minimum controllable load of 500 kW.

RATE

Customer Charge per Month \$300.00

Demand Charge per Month per kW

Contract Demand \$10.14

R

Distribution Demand by Voltage

Secondary	Primary	Transmission Transformed	Transmission
\$2.07	\$1.07	\$0.46	\$0.00

Energy Charge per kWh

Day-Type

	1	2	3	4	5	6	7	8	
12 a.m.-6 a.m.	\$0.03524	\$0.02878	\$0.02626	\$0.02462	\$0.02393	\$0.02255	\$0.02178	\$0.02040	R
6 a.m.- 9 a.m.	\$0.06328	\$0.05046	\$0.04033	\$0.04215	\$0.04080	\$0.03537	\$0.02853	\$0.02311	R
9 a.m.-12 p.m.	\$0.17355	\$0.09838	\$0.06193	\$0.04936	\$0.03797	\$0.03073	\$0.02543	\$0.02401	R
12 p.m.- 6 p.m.	\$0.28629	\$0.19186	\$0.09951	\$0.05880	\$0.03797	\$0.03073	\$0.02543	\$0.02401	R
6 p.m.- 9 p.m.	\$0.21113	\$0.13597	\$0.08023	\$0.05081	\$0.03797	\$0.03073	\$0.02543	\$0.02401	R
9 p.m.-12 a.m.	\$0.06328	\$0.05046	\$0.04410	\$0.03821	\$0.03135	\$0.02862	\$0.02496	\$0.02311	R

Day-type energy charges are subject to the Stability Factor Adjustment provision.

Annual Day-Type Distribution

Normal	5	5	10	35	60	110	60	80
Maximum	8	8	16	50	n/a	n/a	n/a	n/a

Limited Energy Surcharge per kWh \$0.2100

R

All kWh during peak period hours in excess of Contract Demand

Energy Charge Credit per Month \$0.0120

All kWh in excess of 400 times Contract Demand, not to exceed 50% of total kWh

Energy Charge Voltage Discount per kWh

Primary	Transmission Transformed	Transmission
\$0.00106	\$0.00271	\$0.00281

R

(Continued on Sheet No. 5-65)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
22nd Revised Sheet No. 65

DAY-TYPE

Separate energy charges are defined for each of eight day-types. Company will normally designate the applicable day-type for each day by 4:00 p.m. of the preceding day. If Company has not designated the applicable day by 4:00 p.m., the day-type will be the same as the last designated day-type, unless Company later designates a lower cost day-type.

CONTRACT

Customers must contract for this service through an Electric Service Agreement with Company. Contract period will normally be for one year.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

PEAK PERIOD HOURS DEFINITION

Peak period hours are the nine hours between 9:00 a.m. and 6:00 p.m. for day-types 1, 2, 3, 4, 5, and 6. No peak period hours are applicable for day-types 7 and 8.

(Continued on Sheet No. 5-65.1)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
5th Revised Sheet No. 65.1

STABILITY FACTOR ADJUSTMENT

Day-type energy charges will be adjusted by a stability factor to compensate for departures from the normal distribution of day-types. The average day-type energy charge, weighted with system loads, will be determined for actual and normal day-types. Stability factors of no more than five percent will be implemented following an annualized differential that exceeds two percent, and discontinued after the differential for the preceding 12 months is less than one percent. Customers will be notified of the effective date and amount of any stability factor adjustment before that adjustment is implemented, changed or discontinued. No stability factor adjustment will apply to customers receiving this service for fewer months than used to determine the adjustment.

POWER FACTOR

The power factor for the month shall be determined by permanently installed metering equipment. Company may require customer to install Company-approved equipment to maintain a power factor of not less than 90%.

(Continued on Sheet No. 5-66)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
9th Revised Sheet No. 66

DETERMINATION OF DEMAND

Contract Demand in kW is designated by customer and is fixed for no less than 12 months. Customers are allowed a maximum of one opportunity to revise to their contract demand level in any continuous 12-month period. In no month shall the demand to be billed be considered as less than the actual or expected average kW load during peak period hours of the billing month. In all months, the Contract Demand designated by customer shall be used to determine the kWh sales applied to the Limited Energy Surcharge and the Energy Charge Credit.

Distribution Demand in kW shall be the greatest 15 minute load that occurred during the past 12 months, including the current billing month, rounded to the nearest whole kW. Additional demand that may result from customer's use of contracted standby or supplemental capacity is not included in the determination of distribution demand.

CONTROLLABLE SERVICE OPTION

The controllable service option is available to customers that agree to control a minimum load of 500 kW to a predetermined level whenever required by Company. The applicable monthly controllable demand credit is applied customer's monthly controllable demand. The applicable limited energy charge per kWh replaces the charge for firm service.

Controllable Demand Credit per Month per kW	Limited Energy Surcharge per kWh	
	Jun-Sep	Other Months
Level A: < 65% PF	\$5.36	\$1.04
Level B: ≥ 65% and < 85% PF	\$6.16	\$1.84
Level C: ≥ 85% PF	\$6.67	\$2.34

R
R
R

Controllable Demand in kW is the difference between Contract Demand for the billing month and Predetermined Demand Level.

Predetermined Demand Level shall be specified and agreed to by the customer and Company, and may not exceed the Contract Demand. Customer's demand must not exceed the predetermined demand level (PDL) during a control period.

Performance Factor (PF) is defined in percentage terms as the average of the July and August calendar month maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, divided by the maximum annual Controllable Demand. Customer's representative load characteristics will be used to determine customer's performance factor. Company reserves the right to determine customer's eligibility for performance factor levels and may transfer customers between levels following verification of a customer's performance.

(Continued on Sheet No. 5-67)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
8th Revised Sheet No. 66

DETERMINATION OF DEMAND

Contract Demand in kW is designated by customer and is fixed for no less than 12 months. Customers are allowed a maximum of one opportunity to revise to their contract demand level in any continuous 12-month period. In no month shall the demand to be billed be considered as less than the actual or expected average kW load during peak period hours of the billing month. In all months, the Contract Demand designated by customer shall be used to determine the kWh sales applied to the Limited Energy Surcharge and the Energy Charge Credit.

Distribution Demand in kW shall be the greatest 15 minute load that occurred during the past 12 months, including the current billing month, rounded to the nearest whole kW. Additional demand that may result from customer's use of contracted standby or supplemental capacity is not included in the determination of distribution demand.

CONTROLLABLE SERVICE OPTION

The controllable service option is available to customers that agree to control a minimum load of 500 kW to a predetermined level whenever required by Company. The applicable monthly controllable demand credit is applied customer's monthly controllable demand. The applicable limited energy charge per kWh replaces the charge for firm service.

Controllable Demand Credit per Month per kW	Limited Energy Surcharge per kWh	
	Jun-Sep	Other Months
Level A: < 65% PF	\$5.63	\$1.09
Level B: ≥ 65% and < 85% PF	\$6.47	\$1.93
Level C: ≥ 85% PF	\$7.00	\$2.46

R
R
R

Controllable Demand in kW is the difference between Contract Demand for the billing month and Predetermined Demand Level.

Predetermined Demand Level shall be specified and agreed to by the customer and Company, and may not exceed the Contract Demand. Customer's demand must not exceed the predetermined demand level (PDL) during a control period.

Performance Factor (PF) is defined in percentage terms as the average of the July and August calendar month maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, divided by the maximum annual Controllable Demand. Customer's representative load characteristics will be used to determine customer's performance factor. Company reserves the right to determine customer's eligibility for performance factor levels and may transfer customers between levels following verification of a customer's performance.

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
7th Revised Sheet No. 66

DETERMINATION OF DEMAND

Contract Demand in kW is designated by customer and is fixed for no less than 12 months. Customers are allowed a maximum of one opportunity to revise to their contract demand level in any continuous 12-month period. In no month shall the demand to be billed be considered as less than the actual or expected average kW load during peak period hours of the billing month. In all months, the Contract Demand designated by customer shall be used to determine the kWh sales applied to the Limited Energy Surcharge and the Energy Charge Credit.

Distribution Demand in kW shall be the greatest 15 minute load that occurred during the past 12 months, including the current billing month, rounded to the nearest whole kW. Additional demand that may result from customer's use of contracted standby or supplemental capacity is not included in the determination of distribution demand.

CONTROLLABLE SERVICE OPTION

The controllable service option is available to customers that agree to control a minimum load of 500 kW to a predetermined level whenever required by Company. The applicable monthly controllable demand credit is applied customer's monthly controllable demand. The applicable limited energy charge per kWh replaces the charge for firm service.

Controllable Demand Credit per Month per kW	Limited Energy Surcharge per kWh		
	Jun-Sep	Other Months	
Level A: < 65% PF	\$5.63	\$1.09	\$0.1380
Level B: ≥ 65% and < 85% PF	\$6.47	\$1.93	\$0.0980
Level C: ≥ 85% PF	\$7.00	\$2.46	\$0.0780

R
R
R

Controllable Demand in kW is the difference between Contract Demand for the billing month and Predetermined Demand Level.

Predetermined Demand Level shall be specified and agreed to by the customer and Company, and may not exceed the Contract Demand. Customer's demand must not exceed the predetermined demand level (PDL) during a control period.

Performance Factor (PF) is defined in percentage terms as the average of the July and August calendar month maximum Controllable Demand occurring from 1:00 p.m. to 7:00 p.m. on weekdays, divided by the maximum annual Controllable Demand. Customer's representative load characteristics will be used to determine customer's performance factor. Company reserves the right to determine customer's eligibility for performance factor levels and may transfer customers between levels following verification of a customer's performance.

(Continued on Sheet No. 5-67)

Date Filed: 11-02-15 By: Christopher B. Clark Effective Date: 10-01-17
President, Northern States Power Company, a Minnesota corporation
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)

Section No. 5

RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

6th Revised Sheet No. 67

Controllable Service Terms and Conditions

1. Company will endeavor to give customer one hour notice of commencement of control period.
2. An additional charge of \$8.00 per kW for failure to control will apply during each Company specified control period to the amount that customer's maximum power factor adjusted on peak demand exceeds their predetermined demand level.
3. The duration and frequency of control periods shall be at the discretion of Company. Control periods will normally occur when Company expects a reasonable possibility of system load levels surpassing the level for which NSP has sufficient accredited capacity under the Midwest Reliability Organization (MRO) or any successor organization, including reserve requirements, or when in Company's opinion, the reliability of the system is endangered. Customers will be separated into two groups by Company with control periods applicable to one or both groups. Customer groups are determined by geographical location and equivalent total controllable load. Control periods will apply to both customer groups at times of the highest forecast system load levels. Control periods at other high load times may apply to only one of the customer groups. Customer groups will be defined as subject to control periods on either even or odd numbered days.
4. Maximum duration of all control periods specified by Company will be 80 hours per year.
5. Customer may revise predetermined demand level subject to approval by Company.
6. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
7. Any customer with generating equipment that is operated in parallel with Company must comply with all requirements associated with parallel operations as specified in the General Rules and Regulations of the Company.
8. Any load served by customer generation during Company requested control periods must normally be served by Company.

(Continued on Sheet No. 5-68)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

REAL TIME PRICING SERVICE (Continued)
RATE CODE: A62 (FIRM), A63 (CONTROLLABLE)

Section No. 5
5th Revised Sheet No. 68

STANDBY SERVICE

Standby service is available under this schedule subject to the provisions contained in the Standby Service Rider.

TERMS AND CONDITIONS OF SERVICE

1. Alternating current service is provided at the following nominal voltages:
 - a. Secondary Voltage: Single or three phase from 208 volts up to but not including 2,400 volts,
 - b. Primary Voltage: Three phase from 2,400 volts up to but not including 69,000 volts,
 - c. Transmission Transformed Voltage: Three phase from 2,400 volts up to but not including 69,000 volts, where service is provided at the Company's disconnecting means of a distribution substation transformer, or
 - d. Transmission Voltage: Three phase at 69,000 volts or higher.

Service voltage available in any given case is dependent upon voltage and capacity of Company lines in vicinity of customer's premises.

2. Transmission Transformed Service is available only to customers served by an exclusively dedicated distribution feeder. Customer will be responsible for the cost of all facilities necessary to interconnect at the Company's disconnecting means of a distribution substation transformer.
3. Transmission Service is available at transmission voltage, subject to the terms and conditions contained in the Company's General Rules and Regulations, Section 5.1(B).
4. Company will provide, install, and maintain equipment necessary to communicate real-time prices to customers. Customer will provide for a dedicated telephone line service approved by Company.
5. Customer will pay a cancellation charge for contract cancellation prior to the end of a contract period. The cancellation charge is \$1,000.00, plus the difference between customer's bills recalculated using customer's previous rate schedule and this rate schedule if such difference is greater than zero.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIGHT RAIL LINE TARIFF
RATE CODE A29**

Section No. 5
17th Revised Sheet No. 71

AVAILABILITY

Available to the Metropolitan Council's light rail transit lines for all electric power and energy required by its Traction Station service locations. Traction Stations will be aggregated as lines as they are put into service. Traction Stations common to more than one line will be aggregated with the line with which they were originally put into service.

RATE

Customer Charge per Month per Traction Station		\$100.00	
Transmission and Distribution Demand Charge per Month per kW			
All Traction Station On Peak Non-Coincident Billing Demands		\$5.28	R
Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand		\$1.55	
Generation Demand Charge per Month per kW	OCT-MAY		JUN-SEP
Rail Line On Peak Coincident Billing Demand	\$4.41		\$8.71
Energy Charge per kWh			
On Peak Period Energy		\$0.04750	
Off Peak Period Energy		\$0.02236	R
Energy Charge Credit per Month per kWh			
All Energy in Excess of 400 Hours Times the On Peak Period Coincident Billing Demand, Not to Exceed 50% of the Energy		\$0.01303	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

R

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

(Continued on Sheet No. 5-72)

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIGHT RAIL LINE TARIFF
RATE CODE A29**

Section No. 5
16th Revised Sheet No. 71

AVAILABILITY

Available to the Metropolitan Council's light rail transit lines for all electric power and energy required by its Traction Station service locations. Traction Stations will be aggregated as lines as they are put into service. Traction Stations common to more than one line will be aggregated with the line with which they were originally put into service.

RATE

Customer Charge per Month per Traction Station				
			\$100.00	
Transmission and Distribution Demand Charge per Month per kW				
All Traction Station On Peak Non-Coincident Billing Demands			\$5.54	
Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand			\$1.55	
Generation Demand Charge per Month per kW				
Rail Line On Peak Coincident Billing Demand	OCT-MAY	JUN-SEP		
	\$4.66	\$9.20		R
Energy Charge per kWh				
On Peak Period Energy			\$0.04990	R
Off Peak Period Energy			\$0.02350	R
Energy Charge Credit per Month per kWh				
All Energy in Excess of 400 Hours Times the On Peak Period Coincident Billing Demand, Not to Exceed 50% of the Energy			\$0.01370	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

(Continued on Sheet No. 5-72)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LIGHT RAIL LINE TARIFF
RATE CODE A29**

Section No. 5
15th Revised Sheet No. 71

AVAILABILITY

Available to the Metropolitan Council's light rail transit lines for all electric power and energy required by its Traction Station service locations. Traction Stations will be aggregated as lines as they are put into service. Traction Stations common to more than one line will be aggregated with the line with which they were originally put into service.

RATE

Customer Charge per Month per Traction Station		\$100.00	
Transmission and Distribution Demand Charge per Month per kW			
All Traction Station On Peak Non-Coincident Billing Demands		\$5.54	R
Off Peak Period Non-Coincident Demand in Excess of On Peak Period Non-Coincident Demand		\$1.55	R
Generation Demand Charge per Month per kW	OCT-MAY		
Rail Line On Peak Coincident Billing Demand	\$4.37	JUN-SEP \$8.91	R
Energy Charge per kWh			
On Peak Period Energy		\$0.04880	R
Off Peak Period Energy		\$0.02298	R
Energy Charge Credit per Month per kWh			
All Energy in Excess of 400 Hours Times the On Peak Period Coincident Billing Demand, Not to Exceed 50% of the Energy		\$0.01340	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges. D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

(Continued on Sheet No. 5-72)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

LIGHT RAIL LINE TARIFF (Continued)
RATE CODE A29

Section No. 5
7th Revised Sheet No. 72

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge of \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DEFINITION OF PEAK PERIODS

The on peak period is defined as those hours between 9:00 a.m. and 9:00 p.m. The on peak period occurs Monday through Friday, except the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. When a designated holiday occurs on Saturday, the preceding Friday will be designated a holiday. When the designated holiday occurs on a Sunday, the following Monday will be designated a holiday. The off peak period is defined as all other hours. Definition of on peak and off peak period is subject to change with change in Company's system operating characteristics.

DETERMINATION OF TRACTION STATION ON PEAK PERIOD NON-COINCIDENT DEMAND

The individual Traction Station Actual On Peak Period Non-Coincident Demand in kW shall be the greatest 15-minute load during the on peak periods during the month for which the bill is rendered for each and every Traction Station along the Light Rail Line. The individual Traction Station Adjusted On Peak Period Non-Coincident Demand in kW for any one Traction Station for billing purposes shall be determined by dividing the Actual On Peak Period Non-Coincident Demand by the power factor expressed in percent but not more than 90%, multiplying the quotient so obtained by 90%, and rounding to the nearest whole kW. The total Traction Station Adjusted On Peak Period Non-Coincident Demand in kW for billing purposes shall be the sum of the individual Adjusted On Peak Period Non-Coincident Demands from each and every Traction Station.

DETERMINATION OF TRACTION STATION OFF PEAK PERIOD NON-COINCIDENT DEMAND

The individual Traction Station Actual Off Peak Period Non-Coincident Demand in kW shall be the greatest 15-minute load during the off peak periods during the month for which the bill is rendered for each and every Traction Station along the Light Rail Line. The individual Traction Station Adjusted Off Peak Period Non-Coincident Demand in kW for any one Traction Station for billing purposes shall be determined by dividing the Actual Off Peak Period Non-Coincident Demand by the power factor expressed in percent but not more than 90%, multiplying the quotient so obtained by 90%, and rounding to the nearest whole kW. The total Traction Station Adjusted Off Peak Period Non-Coincident Demand in kW for billing purposes shall be the sum of the individual Adjusted Off Peak Period Non-Coincident Demands from each and every Traction Station.

(Continued on Sheet No. 5-73)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

LIGHT RAIL LINE TARIFF (Continued)
RATE CODE A29

Section No. 5
6th Revised Sheet No. 73

DETERMINATION OF RAIL LINE ON PEAK PERIOD COINCIDENT DEMAND

The Rail Line Actual On Peak Period Coincident Demand in kW shall be the greatest simultaneous 15-minute load during the on peak periods during the month for which the bill is rendered for all of the Traction Stations along the Light Rail Line. The Rail Line Adjusted On Peak Period Coincident Demand in kW for billing purposes shall be determined by dividing the Actual On Peak Period Coincident Demand by the power factor expressed in percent but not more than 90%, multiplying the quotient so obtained by 90%, and rounding to the nearest whole kW.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SYSTEM SERVICE
RATE CODE A30**

Section No. 5
26th Revised Sheet No. 74

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by High Pressure Sodium (HPS), Metal Halide or Light Emitting Diode (LED) luminaires supported on poles, where the facilities for this service are furnished by Company. Underground Service under this schedule is limited to areas having a Company owned underground electric distribution system. Standard Service includes a monthly payment for the lighting system cost. Pre-Pay Option requires customer payment for the lighting system cost before establishing service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Designation of Lamp (Lumens)	Monthly Rate Per Luminaire				Pre-Pay Option
	Standard Service				
	Overhead	Underground	Decorative		
70W High Pressure Sodium	\$9.63	\$19.54	--	\$5.97	
100W High Pressure Sodium	\$10.17	\$20.07	\$31.67	\$6.66	
150W High Pressure Sodium	\$10.95	\$20.86	\$32.84	\$7.54	
200W High Pressure Sodium*	\$12.88	--	--	--	
250W High Pressure Sodium	\$13.87	\$23.38	\$34.89	\$9.61	
400W High Pressure Sodium	\$16.85	\$26.06	\$37.38	\$12.42	
175W Metal Halide	\$14.98	\$27.90	\$37.38	\$13.54	
30-40W Light Emitting Diode (4,000)	\$10.32	\$20.22	--	\$4.90	
50-75W Light Emitting Diode (6,000)	\$11.01	\$20.91	--	\$5.49	
110-165W Light Emitting Diode (14,000)	\$14.46	\$23.96	--	\$7.05	
200-250W Light Emitting Diode (25,000)	\$17.98	\$27.19	--	\$8.93	

*Closed to new customers

(Continued on Sheet No 5-74.1)

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President, Northern States Power Company, a Minnesota corporation
Docket No. E,G999/CI-17-895 Order Date: 05-10-19

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SYSTEM SERVICE
RATE CODE A30**

Section No. 5
25th Revised Sheet No. 74

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by High Pressure Sodium (HPS), Metal Halide or Light Emitting Diode (LED) luminaires supported on poles, where the facilities for this service are furnished by Company. Underground Service under this schedule is limited to areas having a Company owned underground electric distribution system. Standard Service includes a monthly payment for the lighting system cost. Pre-Pay Option requires customer payment for the lighting system cost before establishing service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Designation of Lamp (Lumens)	Monthly Rate Per Luminaire				Pre-Pay Option
	Standard Service				
	Overhead	Underground	Decorative		
70W High Pressure Sodium	\$10.02	\$20.32	--	\$6.21	
100W High Pressure Sodium	\$10.58	\$20.88	\$32.94	\$6.93	
150W High Pressure Sodium	\$11.39	\$21.70	\$34.16	\$7.84	
200W High Pressure Sodium*	\$13.40	--	--	--	
250W High Pressure Sodium	\$14.43	\$24.32	\$36.29	\$10.00	
400W High Pressure Sodium	\$17.53	\$27.11	\$38.88	\$12.92	
175W Metal Halide	\$15.58	\$29.02	\$38.88	\$14.08	
30-40W Light Emitting Diode (4,000)	\$10.73	\$21.03	--	\$5.17	
50-75W Light Emitting Diode (6,000)	\$11.45	\$21.75	--	\$5.79	
110-165W Light Emitting Diode (14,000)	\$15.02	\$24.90	--	\$7.44	
200-250W Light Emitting Diode (25,000)	\$18.66	\$28.24	--	\$9.43	

*Closed to new customers

(Continued on Sheet No 5-74.1)

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President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-15-826 Order Date: 06-12-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SYSTEM SERVICE
RATE CODE A30**

Section No. 5
24th Revised Sheet No. 74

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by High Pressure Sodium (HPS), Metal Halide or Light Emitting Diode (LED) luminaires supported on poles, where the facilities for this service are furnished by Company. Underground Service under this schedule is limited to areas having a Company owned underground electric distribution system. Standard Service includes a monthly payment for the lighting system cost. Pre-Pay Option requires customer payment for the lighting system cost before establishing service.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Designation of Lamp (Lumens)	Monthly Rate Per Luminaire				Pre-Pay Option
	Standard Service				
	Overhead	Underground	Decorative		
70W High Pressure Sodium	\$9.82	\$20.11	--	\$6.09	
100W High Pressure Sodium	\$10.36	\$20.66	\$32.78	\$6.79	
150W High Pressure Sodium	\$11.16	\$21.45	\$33.96	\$7.68	
200W High Pressure Sodium*	\$13.13	--	--	--	
250W High Pressure Sodium	\$14.14	\$23.96	\$36.03	\$9.78	
400W High Pressure Sodium	\$17.15	\$26.68	\$38.56	\$12.62	
175W Metal Halide	\$15.28	\$28.59	\$38.56	\$13.82	
30-40W Light Emitting Diode (4,000)	\$10.51	\$20.81	--	\$5.03	
50-75W Light Emitting Diode (6,000)	\$11.22	\$21.50	--	\$5.63	
110-165W Light Emitting Diode (14,000)	\$14.73	\$24.54	--	\$7.22	
200-250W Light Emitting Diode (25,000)	\$18.28	\$27.81	--	\$9.13	

*Closed to new customers

(Continued on Sheet No 5-74.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING SYSTEM SERVICE (Continued)
RATE CODE A30

Section No. 5
11th Revised Sheet No. 74.1

PRE-PAY OPTION SURCHARGE

A monthly surcharge per luminaire of 0.2% applies to the amount the purchase price exceeds \$1,200.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

OTHER PROVISIONS

This schedule is also subject to provisions contained in Rules for Application of Street Lighting Rates.

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-15-826		Order Date:	06-12-17

Northern States Power Company, a Minnesota corporation
and wholly owned subsidiary of Xcel Energy Inc.
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING SYSTEM SERVICE (CLOSED)
RATE CODE A31

Section No. 5
11th Revised Sheet No. 75

CANCELED

Date Filed: 11-02-05 By: Cynthia L. Lesher Effective Date: 02-01-07
President and CEO of Northern States Power Company
Docket No. E002/GR-05-1428 Order Date: 09-01-06

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING ENERGY SERVICE (CLOSED)
RATE CODE A32**

Section No. 5
24th Revised Sheet No. 76

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns a Company approved ornamental street lighting system complete with standards, luminaires with globes, lamps, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's facilities as designated by Company. Service is limited to existing lighting systems being served under this schedule.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate per Luminaire</u>
100W Mercury	\$2.45
175W Mercury	\$3.64
250W Mercury	\$4.94
400W Mercury	\$7.69
700W Mercury	\$12.78
1,000W Mercury	\$17.77
50W High Pressure Sodium	\$1.37
70W High Pressure Sodium	\$1.73
100W High Pressure Sodium	\$2.29
150W High Pressure Sodium	\$3.14
200W High Pressure Sodium	\$4.18
250W High Pressure Sodium	\$5.28
400W High Pressure Sodium	\$8.03
750W High Pressure Sodium	\$13.78
F72HO Fluorescent	\$3.61

R
R

(Continued on Sheet No. 5-77)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING ENERGY SERVICE (CLOSED)
RATE CODE A32

Section No. 5
23rd Revised Sheet No. 76

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns a Company approved ornamental street lighting system complete with standards, luminaires with globes, lamps, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's facilities as designated by Company. Service is limited to existing lighting systems being served under this schedule.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate per Luminaire</u>
100W Mercury	\$2.53
175W Mercury	\$3.77
250W Mercury	\$5.12
400W Mercury	\$7.98
700W Mercury	\$13.27
1,000W Mercury	\$18.47
50W High Pressure Sodium	\$1.40
70W High Pressure Sodium	\$1.78
100W High Pressure Sodium	\$2.37
150W High Pressure Sodium	\$3.25
200W High Pressure Sodium	\$4.33
250W High Pressure Sodium	\$5.47
400W High Pressure Sodium	\$8.33
750W High Pressure Sodium	\$14.32
F72HO Fluorescent	\$3.61

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(Continued on Sheet No. 5-77)

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President, Northern States Power Company, a Minnesota corporation
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING ENERGY SERVICE (CLOSED)
RATE CODE A32

Section No. 5
22nd Revised Sheet No. 76

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns a Company approved ornamental street lighting system complete with standards, luminaires with globes, lamps, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's facilities as designated by Company. Service is limited to existing lighting systems being served under this schedule.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate per Luminaire</u>
100W Mercury	\$2.47
175W Mercury	\$3.68
250W Mercury	\$4.99
400W Mercury	\$7.77
700W Mercury	\$12.92
1,000W Mercury	\$17.98
50W High Pressure Sodium	\$1.38
70W High Pressure Sodium	\$1.74
100W High Pressure Sodium	\$2.32
150W High Pressure Sodium	\$3.17
200W High Pressure Sodium	\$4.22
250W High Pressure Sodium	\$5.34
400W High Pressure Sodium	\$8.12
750W High Pressure Sodium	\$13.94
F72HO Fluorescent	\$3.61

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(Continued on Sheet No. 5-77)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING ENERGY SERVICE (CLOSED)
(Continued)
RATE CODE A32

Section No. 5
11th Revised Sheet No. 77

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

OTHER PROVISIONS

This schedule is also subject to provisions contained in Rules for Application of Street Lighting Rates.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING ENERGY SERVICE - METERED
RATE CODE A34**

Section No. 5
29th Revised Sheet No. 78

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns and maintains an ornamental street lighting system complete with standards, luminaires with globes, lamps, photocells, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's meter as designated by Company.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Meter per Month	\$5.00	
Energy Charge per kWh	\$0.04534	R

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

(Continued on Sheet No. 78.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING ENERGY SERVICE - METERED
RATE CODE A34**

Section No. 5
28th Revised Sheet No. 78

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns and maintains an ornamental street lighting system complete with standards, luminaires with globes, lamps, photocells, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's meter as designated by Company.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Meter per Month \$5.00

Energy Charge per kWh \$0.04716

R

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

(Continued on Sheet No. 78.1)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING ENERGY SERVICE - METERED
RATE CODE A34**

Section No. 5
27th Revised Sheet No. 78

AVAILABILITY

Available for year-round illumination of public streets, parkways, and highways by electric lamps mounted on standards where customer owns and maintains an ornamental street lighting system complete with standards, luminaires with globes, lamps, photocells, and other appurtenances, together with all necessary cables extending between standards and to point of connection to Company's meter as designated by Company.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Customer Charge per Meter per Month	\$5.00	R
Energy Charge per kWh	\$0.04587	R

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

D

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

(Continued on Sheet No. 78.1)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING ENERGY SERVICE – METERED (Continued)
RATE CODE A34

Section No. 5
6th Revised Sheet No. 78.1

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

CONDITIONS OF SERVICE

The customer owns and maintains ornamental street lighting system including underground cables, posts, lamps, ballasts, photocells, and glassware. Ballasts shall provide a power factor of at least 90% and photocells shall conform to specified daily operating schedule. Company furnishes energy only at central metered distribution points designated by Company. The daily operating schedule of the lamps shall be from approximately one-half hour after sunset until one-half hour before sunrise.

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING SERVICE - CITY OF ST. PAUL
RATE CODE A37

Section No. 5
26th Revised Sheet No. 80

AVAILABILITY

Available to the City of St. Paul for furnishing, maintaining, and operating certain electrical connections, lines, and appurtenances thereto, and supplying electric current for city street lighting.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate per Luminaire</u>	
100W High Pressure Sodium	\$5.48	R
150W High Pressure Sodium	\$6.14	R
250W High Pressure Sodium	\$8.60	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-81)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING SERVICE - CITY OF ST. PAUL
RATE CODE A37

Section No. 5
25th Revised Sheet No. 80

AVAILABILITY

Available to the City of St. Paul for furnishing, maintaining, and operating certain electrical connections, lines, and appurtenances thereto, and supplying electric current for city street lighting.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

<u>Designation of Lamp</u>	<u>Monthly Rate per Luminaire</u>	
100W High Pressure Sodium	\$5.70	R
150W High Pressure Sodium	\$6.39	R
250W High Pressure Sodium	\$8.95	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges. D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

(Continued on Sheet No. 5-81)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING SERVICE – CITY OF ST. PAUL
RATE CODE A37

Section No. 5
14th Revised Sheet No. 81

OTHER PROVISIONS

This schedule is also subject to provisions contained in Rules for Application of Street Lighting Rates.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RULES FOR APPLICATION OF
STREET LIGHTING RATES**

Section No. 5
7th Revised Sheet No. 82

1. SERVICE INCLUDED IN RATE

a. *Street Lighting System Service*

Overhead, Underground, and Decorative

Company shall own, operate, and maintain the overhead and underground street lighting systems using Company's standard street lighting equipment.

Company Property

All poles, other material and equipment that may be used by Company in carrying out street lighting service shall be and remain the property of Company. Company shall have the right to install poles and other materials for street lighting service on or along public streets and alleys of customer and to remove the same upon expiration of term.

Terms and Conditions:

Standard Service

Except for customers choosing the pre-pay option for street lighting system service, the term of service will be a minimum of five (5) years. After the minimum five year service term, service shall continue thereafter for one (1) year terms, unless either party provides written notice at least ninety (90) days prior to the expiration of a term that customer intends to terminate the service. Existing lights that have been in service for more than five years at the time this Tariff provision is approved by the Commission will continue on 1-year terms until either party terminates the service based on the provisions listed above. Company shall furnish all electric energy necessary to operate the street lighting system, shall make all lamp and glassware renewals, clean the glassware, light and extinguish all lamps, make all ballast and starter renewals, and furnish all the materials and labor necessary for these services. Company shall also repair all damaged equipment.

Pre-Pay Option

Customer shall pay the Company upfront the costs associated with the entire ornamental street lighting system including underground cables, posts, lamps, ballasts, starters, photocells, and glassware. The Company retains ownership of the street lighting system. The street lighting system shall be Company approved and include a lamp type and wattage combination that corresponds to an existing Pre-Pay Option rate. Company shall furnish all electric energy necessary to operate the street lighting system, shall make all lamp and glassware renewals, clean the glassware, light and extinguish all lamps, make all ballast and starter renewals, and furnish all the materials and labor necessary for these services. Company shall also repair all damaged equipment for 25 years from the installation date. After 25 years, Company will repair damaged equipment when the damage is not associated with the age of the street lighting system. These repairs are routine in nature such as lamp, photo control, starter, and fuses.

(Continued on Sheet No. 5-83)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RULES FOR APPLICATION OF
STREET LIGHTING RATES (Continued)**

Section No. 5
6th Revised Sheet No. 83

1. SERVICE INCLUDED IN RATE (Continued)

Prepay Option (Continued)

If in the Company's opinion, the condition of the street lighting system is such that replacement or significant renovation of the system is necessary (for example, due to underground faults, pole deterioration, ballast outage), the customer shall have two options:

- (1) the customer must either transfer to the Street Lighting Energy Service – Metered rate, or
- (2) reimburse Company for the installed cost of a replacement system.

Attachments

The Customer may not make any attachments, including but not limited to, banners, flags, signs, or holiday lighting, to the poles without the express written permission of Company. Approval of any such attachments will be at the sole discretion of the Company. In the event that any such attachments are made without written Company authorization, customer shall remove such attachments upon notice from Company. Any damage to Company property or other Company equipment caused by an unauthorized attachment by customer shall, after notice of damage to the customer be repaired by Company at the customer's expense. However, notice to customer prior to repair will not be required in case of an emergency or any other reason that requires immediate repair. In addition, if a street light outage is caused by an unauthorized attachment to Company property, service outage credits will not apply as described in paragraph 3 below.

b. *Street Lighting Energy Service*

The customer owns and maintains entire ornamental street lighting system including underground cables, posts, lamps, ballasts, photocells, and glassware. Ballasts shall provide a power factor of at least 90% and photocells shall conform to specified daily operating schedule. Company furnishes energy only at central distribution points designated by Company.

c. *City of St. Paul*

City owns and maintains lamp units, lamps, photocells, and glassware. Company owns and maintains distribution system, including hangers and furnishes energy at the lamp unit. Ballasts shall provide a power factor of at least 90% and photocells shall conform to specified daily operating schedule.

2. DAILY OPERATING SCHEDULE

The daily operating schedule of lamps shall be from approximately one-half hour after sunset until one-half hour before sunrise.

(Continued on Sheet No. 5-84)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RULES FOR APPLICATION OF
STREET LIGHTING RATES (Continued)**

Section No. 5
6th Revised Sheet No. 84

3. OUTAGES

If illumination from any non-metered lamp is interrupted and the illumination is not resumed within 2 business days from the time the Company receives notice, 1/30th of the applicable monthly metered energy and fuel cost charges for the affected lamp(s) for each night of service outage shall be credited to the customer.

The Company shall apply such credits to all affected customers one time annually in the month of December of each year, together with an itemized list of the street lamps and/or poles associated with the credits.

Interruption of Company Performance:

In the event of the total or partial interruption of service where the Company is prevented from providing service, a customer shall not be charged under this tariff for the duration of time service cannot be provided. The Company will proceed with all reasonable diligence to put itself and its works in condition to resume and continue the supply of electric energy and the performance of the service. The Company shall not be responsible for any loss or damage resulting from the interruption or disturbance of service for any cause other than gross negligence of the Company. The Company shall not be liable for any loss of profits or other consequential damages resulting from the use of service or any interruption or disturbance of service.

4. SPECIAL SERVICES

a. *Street Lighting System Service*

Temporary Disconnection of Service (Street lighting facilities remain in place.)

When requested by the customer, Company will temporarily disconnect service to individual street lighting units provided the customer pays a monthly facilities charge equal to the regular monthly rate less the product of the average monthly kWh for the lighting unit and the energy charge from the Street Lighting Energy Service - Metered rate schedule. The customer must pay a charge of \$25.00 to disconnect or reconnect each lighting unit.

Termination of Street Lighting Facilities

When requested by the customer, except for Pre-Pay Option lighting service, Company will remove all or a portion of a street lighting system and cease billing. The customer must pay termination costs for the removal and undepreciated value of facilities, less any salvage value, if the number of lights requested to be removed in any 12 month period exceeds 5% of the municipality's street lighting system.

(Continued on Sheet No. 5-84.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RULES FOR APPLICATION OF
STREET LIGHTING RATES (Continued)**

Section No. 5
4th Revised Sheet No. 84.1

4. SPECIAL SERVICES (Continued)

b. *Street Lighting Energy Service*

Daily Operating Schedule Option

Reduced hours of operation from the standard daily operating schedule is available under the applicable commercial and industrial rate, subject to the following provisions:

- (1) customer must install a meter socket at the service point, and
- (2) customer shall provide all maintenance to lighting units and identify the lighting units with Company approved markings.

Disconnection of Service

During the period between customer disconnection and reconnection of street lighting units, Company will cease billing provided the disconnection is made on the line side of the lighting unit ballast. Customer disconnection not on the line side will require the customer to pay a charge to compensate for the lighting unit ballast core loss. When requested by the customer, Company will disconnect or reconnect street lighting units provided the customer pays a charge of \$25.00 for the disconnection or reconnection of each lighting unit. The customer must identify all disconnected street lighting units with Company approved markings.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SMALL MUNICIPAL PUMPING SERVICE
RATE CODE A40**

Section No. 5
30th Revised Sheet No. 85

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Oct-May</u>	<u>Jun-Sep</u>
Customer Charge per Month	\$10.00	\$10.00
Energy Charge per kWh	\$0.07757	\$0.09256

R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

(Continued on Sheet No. 5-86)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SMALL MUNICIPAL PUMPING SERVICE
RATE CODE A40**

Section No. 5
29th Revised Sheet No. 85

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Oct-May</u>	<u>Jun-Sep</u>
Customer Charge per Month	\$10.00	\$10.00
Energy Charge per kWh	\$0.08156	\$0.09728

R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

(Continued on Sheet No. 5-86)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SMALL MUNICIPAL PUMPING SERVICE
RATE CODE A40**

Section No. 5
28th Revised Sheet No. 85

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

	<u>Oct-May</u>	<u>Jun-Sep</u>
Customer Charge per Month	\$10.00	\$10.00
Energy Charge per kWh	\$0.07965	\$0.09514

R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

MONTHLY MINIMUM CHARGE

Customer Charge.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

(Continued on Sheet No. 5-86)

Date Filed:	11-02-15	By: Christopher B. Clark	Effective Date:	10-01-17
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-15-826		Order Date:	06-12-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SMALL MUNICIPAL PUMPING SERVICE (Continued)
RATE CODE A40

Section No. 5
7th Revised Sheet No. 86

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

INSTALLATION OF DEMAND METERS

The Company shall install a demand meter for a customer when:

1. Customer's connected load is estimated to be 20 kW or greater, or
2. Customer is served single phase and has a service entrance capacity greater than 200 amperes, or
3. Customer is served three phase at 120/208 or 120/240 volts and has a service entrance capacity greater than 200 amperes, or
4. Customer is served three phase at 240/480 or 277/480 volts and has a service entrance capacity greater than 100 amperes, or

Customer's average monthly kWh use for four consecutive months exceeds 3,500 kWh.

If a demand meter is installed in accordance with the above, the customer may remain on the Small Municipal Pumping Service schedule as long as customer's maximum demand is less than 25 kW. When the customer achieves an actual maximum demand of 25 kW or greater, the customer will be placed on the Municipal Pumping Service schedule in the next billing month. Customers with a billing demand of less than 25 kW for 12 consecutive months will be given the option of returning to the Small Municipal Pumping Service schedule.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MUNICIPAL PUMPING SERVICE
RATE CODE A41**

Section No. 5
31st Revised Sheet No. 87

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

RATE

Customer Charge per Month		\$25.64	
	<u>Oct-May</u>	<u>Jun-Sep</u>	
Service at Secondary Voltage			
Demand Charge per Month per kW	\$10.49	\$14.79	R
Energy Charge per kWh		\$0.03407	R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours		\$0.01518	R
Times the Billing Demand			
		<u>January - December</u>	
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kWh</u>	
Primary Voltage	\$0.80	\$0.00105	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-88)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E,G999/CI-17-895		Order Date:	05-10-19

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MUNICIPAL PUMPING SERVICE
RATE CODE A41**

Section No. 5
30th Revised Sheet No. 87

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

RATE

Customer Charge per Month		\$25.64	
	<u>Oct-May</u>		<u>Jun-Sep</u>
Service at Secondary Voltage			
Demand Charge per Month per kW	\$11.00		\$15.54 R
Energy Charge per kWh		\$0.03577	R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours		\$0.01593	R
Times the Billing Demand			
		<u>January - December</u>	
Voltage Discounts per Month	<u>Per kW</u>		<u>Per kWh</u>
Primary Voltage	\$0.80		\$0.00108 R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-88)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-15-826		Order Date:	06-12-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MUNICIPAL PUMPING SERVICE
RATE CODE A41**

Section No. 5
29th Revised Sheet No. 87

AVAILABILITY

Available to municipal owned water works and municipal sewage systems for operation of pumping and treatment plants. (Rate schedule is applied separately to each delivery point.)

RATE

Customer Charge per Month		\$25.64	R
	<u>Oct-May</u>	<u>Jun-Sep</u>	
Service at Secondary Voltage			
Demand Charge per Month per kW	\$10.71	\$15.25	R
Energy Charge per kWh		\$0.03498	R
Energy Charge Credit per Month per kWh			
All kWh in Excess of 400 Hours		\$0.01558	R
Times the Billing Demand			
	<u>January - December</u>		
	<u>Per kW</u>	<u>Per kWh</u>	
Voltage Discounts per Month			
Primary Voltage	\$0.80	\$0.00106	R

In addition, customer bills under this rate are subject to the following adjustments and/or charges. D

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

(Continued on Sheet No. 5-88)

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-15-826		Order Date:	06-12-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

MUNICIPAL PUMPING SERVICE (Continued)
RATE CODE A41

Section No. 5
8th Revised Sheet No. 88

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DETERMINATION OF DEMAND

The adjusted demand in kW for billing purposes shall be determined by dividing the maximum actual demand in kW by the power factor expressed in percent but not more than a 90% power factor and multiplying the quotient so obtained by 90% and rounding to the nearest whole kW. In no month shall the demand to be billed be considered as less than the current month's adjusted demand in kW nor greater than the value in kW determined by dividing the kWh sales for the billing month by 75 hours per month.

MAXIMUM DEMAND

The maximum actual demand in kW shall be the greatest 15 minute load during the month for which bill is rendered.

POWER FACTOR

For three phase customers with services above 200 amperes, or above 480 volts, the power factor for the month shall be determined by permanently installed metering equipment. For all single phase customers and three phase customers with services 200 amperes or less, a power factor of 90% will be assumed.

MINIMUM DEMAND TO BE BILLED

The monthly minimum billing demand shall not be less than provided above.

TERMS AND CONDITIONS OF SERVICE

Alternating current service is provided at the following nominal voltages:

1. Secondary Voltage: Single or three phase from 208 volts up to but not including 2,400 volts, or
2. Primary Voltage: Three phase from 2,400 volts up to but not including 69,000 volts.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FIRE AND CIVIL DEFENSE SIREN SERVICE
RATE CODE A42

Section No. 5
14th Revised Sheet No. 89

AVAILABILITY

Available for power service for the operation of municipal fire and civil defense warning sirens having a rated capacity not in excess of 25 horsepower.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Per Month per Horsepower of Connected Capacity	\$0.76	R
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In addition, customer bills under this rate are subject to the following adjustments and/or charges.

MONTHLY MINIMUM CHARGE

Net per Month	\$3.66	R
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The following are terms and conditions for service under this tariff.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

CONNECTION

Under the above rate, the Company will make no extension for service other than a normal service span. Where conditions are such that a long service connection or extra transformer capacity, or both, are necessary, the customer shall either pay the entire cost of such extra equipment or pay a monthly facilities charge based on such costs.

The circuit serving the siren must be in conduit from the entrance to the motor with an enclosed entrance switch box, which may be sealed and operated from an external appliance.

OPTIONAL

In case the customer already has a service connection of sufficient capacity to permit operation of the siren without unduly disturbing conditions on the Company's nearby circuits, the siren may be connected at the option of the customer on the load side of the customer's existing meter and the commercial rate applied to the total load.

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			President, Northern States Power Company, a Minnesota corporation		
Docket No.	E,G999/CI-17-895			Order Date:	05-10-19

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**FIRE AND CIVIL DEFENSE SIREN SERVICE
RATE CODE A42**

Section No. 5
13th Revised Sheet No. 89

AVAILABILITY

Available for power service for the operation of municipal fire and civil defense warning sirens having a rated capacity not in excess of 25 horsepower.

DETERMINATION OF CUSTOMER BILLS

Customer bills shall reflect energy charges (if applicable) based on customer's kWh usage, plus a customer charge (if applicable), plus demand charges (if applicable) based on customer's kW billing demand as defined below. Bills may be subject to a minimum charge based on the monthly customer charge and / or certain monthly or annual demand charges. Bills also include applicable riders, adjustments, surcharges, voltage discounts, and energy credits. Details regarding the specific charges applicable to this service are listed below.

RATE

Per Month per Horsepower of Connected Capacity \$0.79 R

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

MONTHLY MINIMUM CHARGE

Net per Month \$3.79 R

The following are terms and conditions for service under this tariff.

D

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

CONNECTION

Under the above rate, the Company will make no extension for service other than a normal service span. Where conditions are such that a long service connection or extra transformer capacity, or both, are necessary, the customer shall either pay the entire cost of such extra equipment or pay a monthly facilities charge based on such costs.

The circuit serving the siren must be in conduit from the entrance to the motor with an enclosed entrance switch box, which may be sealed and operated from an external appliance.

OPTIONAL

In case the customer already has a service connection of sufficient capacity to permit operation of the siren without unduly disturbing conditions on the Company's nearby circuits, the siren may be connected at the option of the customer on the load side of the customer's existing meter and the commercial rate applied to the total load.

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President, Northern States Power Company, a Minnesota corporation
Docket No. E002/GR-15-826 Order Date: 06-12-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER

Section No. 5
29th Revised Sheet No. 91

FUEL CLAUSE CHARGE

There shall be added to or deducted from the monthly bill a Fuel Cost Charge calculated by multiplying the applicable monthly billing kilowatt hours (kWh) by the billed Fuel Adjustment Factor (FAF) per kWh. The billed FAF is calculated by prorating each calendar month FAF by the number of customer billing days in each calendar month, and rounding to the nearest \$0.00001 per kWh.

EXEMPTION

For customers participating in Company's Renewable*Connect and Renewable*Connect Government pilot programs, or the Windsource® Program under the Voluntary Renewable and High-Efficiency Energy Purchase Rider, the applicable billing kWh subject to the FAF shall be reduced by the elected Voluntary Renewable Adjustment energy blocks. In the event that a customer's metered energy use is lower than the subscribed energy blocks, the applicable billing kWh for the FAF for that month is zero.

L

For customer premises recognized by the Company as not being subject to any of the costs of satisfying the solar energy standard under Minn. Stat. § 216B.1691, subd. 2f ("SES Costs"), the SES Costs reflected in the Fuel Clause Charge assessed to the accounts associated with these premises may be credited to these accounts, and the dollar amount of these credits shall be added back into the Current Period Cost of Energy applicable to the time period when the credit is issued.

N
N
N
N
N

FUEL ADJUSTMENT FACTOR (FAF)

A separate FAF will be determined for each service category defined by customer class and time-of-day (TOD) period within the Commercial and Industrial – Demand class. The FAF for each service category is the sum of the Current Period Cost of Energy multiplied by the applicable FAF Ratio, and the applicable Energy Cost True-up Factor. The FAF Ratio is the Class Cost Ratio multiplied by the corresponding TOD Ratio:

Service Category	Class Cost Ratio	TOD Ratio	FAF Ratio
Residential	1.0177	1.0000	1.0177
C&I Non-Demand	1.0305	1.0000	1.0305
C&I Demand	0.9930	1.0054	0.9984
C&I Demand TOD On-Peak	0.9930	1.2574	1.2486
C&I Demand TOD Off-Peak	0.9930	0.8224	0.8166
Outdoor Lighting	0.7976	1.0000	0.7976

BASE COST OF ENERGY

The System Base Cost of Energy is \$0.02680 per kWh. The FAF for each service category includes a Base Cost of Energy, which is the System Base Cost of Energy multiplied by the applicable FAF Ratio.

Service Category	Base Cost of Energy
Residential	\$0.02727
C&I Non-Demand	\$0.02762
C&I Demand Non-TOD	\$0.02676
C&I Demand TOD On-Peak	\$0.03346
C&I Demand TOD Off-Peak	\$0.02188
Outdoor Lighting	\$0.02138

(Continued on Sheet No. 5-91.1)

Date Filed: 05-26-17 By: Christopher B. Clark Effective Date: 01-26-18
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Docket No. E002/M-17-425 Order Date: 01-16-18

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER (Continued)

Section No. 5
16th Revised Sheet No. 91.1

CURRENT PERIOD COST OF ENERGY

The Current Period Cost of Energy per kWh is defined as the qualifying costs, forecasted to be incurred during the calendar month, divided by the kWh sales forecasted for the same month. Qualifying kWh sales are all kWh sales excluding intersystem, Renewable*Connect, Renewable*Connect Government and Windsource® Program kWh sales. Qualifying costs are the sum of the following:

1. The cost of fuels consumed in the Company's generating stations as recorded in Federal Energy Regulatory Commission (FERC) Accounts 151 and 518.
2. The cost of energy purchases as recorded in FERC Account 555, exclusive of capacity or demand charges, irrespective of the designation assigned to such transaction, when such energy is purchased on an economic dispatch basis.
3. All Midwest ISO (MISO) costs and revenues authorized by the Commission to flow through this Fuel Clause Rider and excluding MISO costs and revenues that are recoverable in base rates, as prescribed in applicable Commission Orders.
4. All fuel and purchased energy expenses incurred by the Company over the duration of any Commission-approved contract, as provided for by Minnesota Statutes, Section 216B.1645, except any such expenses recovered in base rates or other riders.
5. The energy cost of purchases from a qualifying facility, as that term is defined in 18 C.F.R. Part 292 and Minn. Rule 7835.0100, Subp. 19, as amended, and the net cost of energy (and capacity if purchased on an energy output basis) purchases from any qualifying facility using wind energy conversion systems for the generation of electric energy, whether or not those purchases occur on an economic dispatch basis. Capacity costs associated with such purchased power contracts, which are in excess of 100 kW and commenced after the date of the Commission's final order in Docket No. E002/GR-05-1428, shall be excluded from Fuel Cost Charge recovery.
6. Less the fuel-related costs recovered through intersystem sales.
7. Less purchased power costs for the Renewable*Connect and Renewable*Connect Government pilot programs and for the Windsource® Program as recorded in FERC account 555.
8. Less neutrality charge cost recovery for the Renewable*Connect and Renewable*Connect Government pilot programs.

(Continued on Sheet No. 5-91.2)

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER (Continued)

Section No. 5
10th Revised Sheet No. 91.2

ENERGY COST TRUE-UP FACTORS

An Energy Cost True-up Factor per kWh is calculated for each Class and TOD category by dividing the Energy Cost True-up Amount by the qualifying kWh sales forecasted for the calendar month. The Energy Cost True-up Amount is the cumulative balance of the unrecovered and over-recovered actual energy costs and MISO Day 2 expenses from prior months and the retail share of intersystem margins pursuant to the Margin-Sharing program approved by the Commission. The asset based margins are defined as sales revenues less the sum of fuel and energy costs (including costs associated with MISO Day 2 markets that are booked to FERC Account 555) and any additional transmission costs incurred that are required to make such sales. The retail share of intersystem margins is the following:

Asset Based Margins: One hundred percent (100%) of the Minnesota State jurisdiction share of margins from intersystem sales of ancillary services and intersystem sales of excess generation. These margins shall be the actual amounts of such margins recorded and are subject to any MISO resettlements.

(Continued on Sheet No. 5-91.3)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER (Continued)

Section No. 5
14th Revised Sheet No. 91.3

RATE SCHEDULES BY SERVICE CATEGORY

Residential

Residential (A00, A01, A03)
Residential TOD (A02, A04)
Residential TOU Pilot Program (A72, A74)
Energy Controlled (A05)
Limited Off-Peak (A06)
Residential Electric Vehicle (A08)
Residential Electric Vehicle Pilot (A80, A81)

Commercial and Industrial Demand – Non-TOD

General (A14)
Peak Controlled (A23)
Municipal Pumping (A41)

N

Commercial and Industrial Non-Demand

Energy Controlled (A05)
Limited Off Peak (A06)
Small General (A09, A10, A11, A13)
Small General TOD (A12, A16, A18, A22)
Small Municipal Pumping (A40)
Fire and Civil Defense Siren (A42)

Commercial and Industrial Demand – TOD

General TOD (A15, A17, A19)
Peak Controlled TOD (A24)
Tier 1 Energy Controlled Rider (A27)
Real Time Pricing (A62, A63)
Light Rail Line (A29)

Outdoor Lighting

Automatic Protective (A07)
Street Lighting System (A30)
Street Lighting Energy (Closed) (A32)
Street Lighting Energy – Metered (A34)
Street Lighting - City of St. Paul (A37)

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the fuel and purchased energy costs applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company. Quarterly forecasts of the fuel and purchased energy costs will also be available.

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-17-775		Order Date:	08-07-18

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER (Continued)

Section No. 5
13th Revised Sheet No. 91.3

RATE SCHEDULES BY SERVICE CATEGORY

Residential

Residential (A00, A01, A03)
Residential TOD (A02, A04)
Energy Controlled (A05)
Limited Off-Peak (A06)
Residential Electric Vehicle (A08)
Residential Electric Vehicle Pilot (A80, A81)

Commercial and Industrial Demand – Non-TOD

General (A14)
Peak Controlled (A23)
Municipal Pumping (A41)

N

Commercial and Industrial Non-Demand

Energy Controlled (A05)
Limited Off Peak (A06)
Small General (A09, A10, A11, A13)
Small General TOD (A12, A16, A18, A22)
Small Municipal Pumping (A40)
Fire and Civil Defense Siren (A42)

Commercial and Industrial Demand – TOD

General TOD (A15, A17, A19)
Peak Controlled TOD (A24)
Tier 1 Energy Controlled Rider (A27)
Real Time Pricing (A62, A63)
Light Rail Line (A29)

Outdoor Lighting

Automatic Protective (A07)
Street Lighting System (A30)
Street Lighting Energy (Closed) (A32)
Street Lighting Energy – Metered (A34)
Street Lighting - City of St. Paul (A37)

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the fuel and purchased energy costs applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company. Quarterly forecasts of the fuel and purchased energy costs will also be available.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER (Continued)

Section No. 5
12th Revised Sheet No. 91.3

RATE SCHEDULES BY SERVICE CATEGORY
Residential

Residential (A00, A01, A03)
Residential TOD (A02, A04)
Energy Controlled (A05)
Limited Off-Peak (A06)
Residential Electric Vehicle (A08)

Commercial and Industrial Demand – Non-TOD

General (A14)
Peak Controlled (A23)
Municipal Pumping (A41)

Commercial and Industrial Non-Demand

Energy Controlled (A05)
Limited Off Peak (A06)
Small General (A09, A10, A11, A13)
Small General TOD (A12, A16, A18, A22)
Small Municipal Pumping (A40)
Fire and Civil Defense Siren (A42)

Commercial and Industrial Demand – TOD

General TOD (A15, A17, A19)
Peak Controlled TOD (A24)
Tier 1 Energy Controlled Rider (A27)
Real Time Pricing (A62, A63)
Light Rail Line (A29)

Outdoor Lighting

Automatic Protective (A07)
Street Lighting System (A30)
Street Lighting Energy (Closed) (A32)
Street Lighting Energy – Metered (A34)
Street Lighting - City of St. Paul (A37)

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the fuel and purchased energy costs applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company. Quarterly forecasts of the fuel and purchased energy costs will also be available.

Date Filed:	05-31-17	By: Christopher B. Clark	Effective Date:	12-01-17
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-17-445		Order Date:	12-01-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**CONSERVATION IMPROVEMENT PROGRAM
ADJUSTMENT RIDER**

Section No. 5
19th Revised Sheet No. 92

APPLICABILITY

Applicable to bills for electric service provided under the Company's retail rate schedules. Exemptions are as follows:

"Large Customer Facility" customers that have been exempted from the Company's Conservation Improvement Program charges pursuant to Minn. Stat. 216B.241 subd. 1a (b) shall receive a monthly exemption from conservation improvement program charges pursuant to Minn. Stat. 216B.16, subd. 6b Energy Conservation Improvement. Such monthly exemption will be effective beginning January 1 of the year following the grant of exemption. Upon exemption from conservation program charges, the "Large Customer Facility" customers can no longer participate in the Company's Energy Conservation Improvement Program.

RIDER

There shall be included on each non-exempt customer's monthly bill a Conservation Improvement Program (CIP) Adjustment, which shall be calculated by multiplying the monthly applicable billing kilowatt hours (kWh) by the CIP Adjustment Factor.

DETERMINATION OF CONSERVATION IMPROVEMENT PROGRAM ADJUSTMENT FACTOR

The CIP Adjustment Factor shall be calculated for each customer class by dividing the Recoverable Conservation Improvement Program Expense by the Projected Retail Sales for a designated recovery period. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission. The CIP Adjustment Factor for all rate schedules is:

All Classes	\$0.001813 per kWh	R
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Recoverable Conservation Improvement Program Expense shall be the CIP expense not recovered through base rates as determined from the CIP Tracker account balance for a designated period. All costs appropriately charged to the CIP Tracker Account shall be eligible for recovery through this Rider. All revenues received from the CIP Adjustment Factor shall be credited to the CIP Tracker Account.

Projected Retail Sales shall be the estimated kilowatt-hour sales to all non-exempt customers for the designated recovery period.

(Continued on Sheet No. 5-92.1)

Date Filed:	03-30-18	By: Christopher B. Clark	Effective Date:	10-01-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-240		Order Date:	09-04-18

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**CONSERVATION IMPROVEMENT PROGRAM
ADJUSTMENT RIDER**

Section No. 5
18th Revised Sheet No. 92

APPLICABILITY

Applicable to bills for electric service provided under the Company's retail rate schedules. Exemptions are as follows:

"Large Customer Facility" customers that have been exempted from the Company's Conservation Improvement Program charges pursuant to Minn. Stat. 216B.241 subd. 1a (b) shall receive a monthly exemption from conservation improvement program charges pursuant to Minn. Stat. 216B.16, subd. 6b Energy Conservation Improvement. Such monthly exemption will be effective beginning January 1 of the year following the grant of exemption. Upon exemption from conservation program charges, the "Large Customer Facility" customers can no longer participate in the Company's Energy Conservation Improvement Program.

RIDER

There shall be included on each non-exempt customer's monthly bill a Conservation Improvement Program (CIP) Adjustment, which shall be calculated by multiplying the monthly applicable billing kilowatt hours (kWh) by the CIP Adjustment Factor.

DETERMINATION OF CONSERVATION IMPROVEMENT PROGRAM ADJUSTMENT FACTOR

The CIP Adjustment Factor shall be calculated for each customer class by dividing the Recoverable Conservation Improvement Program Expense by the Projected Retail Sales for a designated recovery period. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission. The CIP Adjustment Factor for all rate schedules is:

All Classes	\$0.001875 per kWh	R
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Recoverable Conservation Improvement Program Expense shall be the CIP expense not recovered through base rates as determined from the CIP Tracker account balance for a designated period. All costs appropriately charged to the CIP Tracker Account shall be eligible for recovery through this Rider. All revenues received from the CIP Adjustment Factor shall be credited to the CIP Tracker Account.

Projected Retail Sales shall be the estimated kilowatt-hour sales to all non-exempt customers for the designated recovery period.

(Continued on Sheet No. 5-92.1)

Date Filed:	04-03-17	By: Christopher B. Clark	Effective Date:	10-01-17
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-17-259		Order Date:	08-16-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**CONSERVATION IMPROVEMENT PROGRAM
ADJUSTMENT RIDER (Continued)**

Section No. 5
7th Revised Sheet No. 92.1

DETERMINATION OF CONSERVATION COST RECOVERY CHARGE (CCRC)

The CCRC is the amount included in base rates dedicated to the recovery of CIP costs as approved by the Minnesota Public Utilities Commission (or successor agency) in the Company's last general rate case. The CCRC is approved and applied on a per kWh basis by dividing the test-year CIP expenses by the test-year sales volumes (net of CIP-exempt volumes). All revenues received from the CCRC shall be credited to the CIP Tracker Account. The CCRC for all rate schedules is:

All Classes \$0.003133 per kWh

DETERMINATION OF CCRC EXEMPTION ADJUSTMENT FACTOR

For "Large Customer Facilities", as defined in Minn. Stat. 216B.241 subd. 1, granted exemption by the Commissioner of the Minnesota Department of Commerce, Division of Energy Resources, pursuant to Minn. Stat. 216B.241, the CIP Adjustment Factor shall not apply and monthly bills will include a CCRC Exemption Adjustment credit determined by multiplying total billing kWh by the applicable CCRC Exemption Adjustment Factor. Customers' accounts granted exemption by a decision of the Commissioner after the beginning of a calendar year shall be credited for any CIP collections billed after January 1st of the year following the Commissioner's decision. The CCRC Exemption Adjustment Factor for all rate classes is:

All Classes \$0.003133 per kWh

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on April 1st a 24-month forecast of the CIP Adjustment Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year.

EXEMPTION

For customer premises recognized by the Company as not being subject to any of the costs of satisfying the solar energy standard under Minn. Stat. § 216B.1691, subd. 2f ("SES Costs"), the SES Costs reflected in the CIP Adjustment assessed to the accounts associated with these premises may be credited to these accounts, and the dollar amount of these credits shall be added as part of the Recoverable Conservation Improvement Program Expense applicable to the time period when the credit is issued.



Date Filed: 05-26-17 By: Christopher B. Clark Effective Date: 01-26-18
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/M-17-425 Order Date: 01-16-18

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

SURCHARGE RIDER

Section No. 5
8th Revised Sheet No. 93

A surcharge will be included in the monthly customer bills in Minnesota communities in an amount equal to any franchise gross earnings or other fee, permit or usage fee, excise, city sales or other charge or tax now or hereafter imposed upon Company by a community, whether by ordinance, franchise or otherwise, applicable to electric service supplied by Company to a customer.

The Company remits 100% of these fees collected from ratepayers to the local government unit.*

The Company will notify the Minnesota Public Utilities Commission of any new, renewed, expired, or changed fee, authorized by Minn. Stat. § 216B.36 to raise revenue, at least 60 days prior to its implementation. If the Company receives less than 60 days' notice of a repealed or reduced fee from a city, the Company will notify the Minnesota Public Utilities Commission within 10 business days of receiving notice. Notification to the Minnesota Public Utilities Commission will include a copy of the relevant franchise fee ordinance, or other operative document authorizing imposition of, or change in, the fee.

Affected customers will be notified on the first bill on which a new or modified fee is listed via the standard bill message below:

[The municipality] imposes a [X% of gross revenues/\$X per meter/\$X per kWh/\$X per therm] fee on Xcel Energy collectable through a fee on Xcel Energy [electric/gas] accounts effective [effective date]. The line item appears on your bill as "City Fees." Xcel Energy remits 100% of this fee to [the municipality].

*The amount collected for Baker is applied to the community's street lighting bill.

Date Filed:	11-02-15	By: Christopher B. Clark	Effective Date:	10-01-17
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-15-826		Order Date:	06-12-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401**MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2****FRANCHISE AND OTHER CITY FEES**Section No. 5
23rd Revised Sheet No. 93.1

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Afton	\$2.00	\$2.00	\$5.00	\$5.00	\$1.00	\$1.00	\$1.00	01/2005	08/16/2024
Albertville	\$2.50	\$5.00	\$10.00	\$50.00	\$2.00	—	—	03/2011	09/07/2029
Bayport	\$1.50	\$3.00	\$25.00	\$50.00	\$3.00	\$3.00	\$25.00	01/2014	05/04/2028
Big Lake	\$4.00	\$8.00	\$8.00	\$8.00	—	—	—	10/2014	07/04/2034
Bloomington	\$3.75	\$7.50	\$40.00	\$115.00	—	—	—	04/2016	12/20/2035
Brooklyn Center	\$1.60	\$4.00	\$22.00	\$100.00	\$13.00	\$13.00	\$13.00	01/2017	12/08/2023
Brooklyn Park	\$7.00	\$7.50	\$45.00	\$160.00	—	—	—	03/2016	12/31/2028
Burnsville	\$1.00	\$3.00	\$10.00	\$45.00	—	—	—	07/2016	02/15/2036
Centerville	\$4.00	\$8.00	\$8.00	\$8.00	—	—	—	05/2016	01/26/2036
Champlin	\$3.58	\$9.70	\$40.80	\$142.81	\$17.34	\$17.34	\$17.34	01/2019	11/23/2028
Chisago City	\$1.30	\$5.00	\$15.00	\$55.00	\$5.00	\$5.00	\$15.00	06/2009	02/28/2029
Circle Pines	\$2.75	\$3.00	\$35.00	—	\$3.00	—	—	10/2009	08/24/2029
Clara City	\$2.00	\$2.00	\$15.00	\$68.00	\$2.00	\$2.00	\$15.00	01/2014	10/07/2033
Clements	\$1.00	\$1.00	\$1.00	\$1.00	—	—	—	07/2012	06/09/2024
Coon Rapids ¹	4.0%	4.0%	4.0%	4.0%	—	—	—	04/2018	01/13/2032
Cottage Grove	\$1.65	\$1.65	\$8.25	\$33.00	\$3.30	\$0.75	\$8.25	03/2016	11/04/2023

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¹ Coon Rapids: The franchise fee excludes rate schedules for highway lighting, municipal street lighting, municipal water pumping, municipal fire sirens, and municipal sewage disposal service. For all consumers, the four percent franchise fee is applicable to the first \$950,000 of calendar year gross operating revenues. The franchise fee is reduced to one half percent (0.5%) for the remaining amount of annual gross operating revenues exceeding \$950,000.

(Continued on Sheet No. 5-93.1a)

Date Filed: 10-31-18 By: Christopher B. Clark Effective Date: 01-01-19
President, Northern States Power Company, a Minnesota corporation
Docket No. E,G999/CI-09-970 Order Date: 03-23-11

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES**

Section No. 5
22nd Revised Sheet No. 93.1

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Afton	\$2.00	\$2.00	\$5.00	\$5.00	\$1.00	\$1.00	\$1.00	01/2005	08/16/2024
Albertville	\$2.50	\$5.00	\$10.00	\$50.00	\$2.00	—	—	03/2011	09/07/2029
Bayport	\$1.50	\$3.00	\$25.00	\$50.00	\$3.00	\$3.00	\$25.00	01/2014	05/04/2028
Big Lake	\$4.00	\$8.00	\$8.00	\$8.00	—	—	—	10/2014	07/04/2034
Bloomington	\$3.75	\$7.50	\$40.00	\$115.00	—	—	—	04/2016	12/20/2035
Brooklyn Center	\$1.60	\$4.00	\$22.00	\$100.00	\$13.00	\$13.00	\$13.00	01/2017	12/08/2023
Brooklyn Park	\$7.00	\$7.50	\$45.00	\$160.00	—	—	—	03/2016	12/31/2028
Burnsville	\$1.00	\$3.00	\$10.00	\$45.00	—	—	—	07/2016	02/15/2036
Centerville	\$4.00	\$8.00	\$8.00	\$8.00	—	—	—	05/2016	01/26/2036
Champlin	\$3.54	\$9.60	\$40.40	\$141.40	\$17.17	\$17.17	\$17.17	01/2018	11/23/2028
Chisago City	\$1.30	\$5.00	\$15.00	\$55.00	\$5.00	\$5.00	\$15.00	06/2009	02/28/2029
Circle Pines	\$2.75	\$3.00	\$35.00	—	\$3.00	—	—	10/2009	08/24/2029
Clara City	\$2.00	\$2.00	\$15.00	\$68.00	\$2.00	\$2.00	\$15.00	01/2014	10/07/2033
Clements	\$1.00	\$1.00	\$1.00	\$1.00	—	—	—	07/2012	06/09/2024
Coon Rapids ¹	4.0%	4.0%	4.0%	4.0%	—	—	—	04/2018	01/13/2032
Cottage Grove	\$1.65	\$1.65	\$8.25	\$33.00	\$3.30	\$0.75	\$8.25	03/2016	11/04/2023

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¹ Coon Rapids: The franchise fee excludes rate schedules for highway lighting, municipal street lighting, municipal water pumping, municipal fire sirens, and municipal sewage disposal service. For all consumers, the four percent franchise fee is applicable to the first \$950,000 of calendar year gross operating revenues. The franchise fee is reduced to one half percent (0.5%) for the remaining amount of annual gross operating revenues exceeding \$950,000.

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(Continued on Sheet No. 5-93.1a)

Date Filed: 01-29-18

By: Christopher B. Clark

Effective Date: 04-01-18

President, Northern States Power Company, a Minnesota corporation

Docket No. E,G999/CI-09-970

Order Date: 03-23-11

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES**

Section No. 5
7th Revised Sheet No. 93.1a

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Deephaven	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	04/2002	11/02/2030
Dilworth	\$2.60	\$6.00	\$21.00	\$136.50	—	\$6.00	\$21.00	05/2018	02/25/2038
Eagle Lake	\$0.50	\$0.50	\$0.50	\$0.50	—	—	—	10/2012	05/06/2032
Eden Prairie	\$4.00	\$5.00	\$12.50	\$55.00	—	—	—	04/2018	06/18/2032
Edina	\$2.40	\$4.08	\$11.40	\$48.60	—	—	—	07/2018	11/03/2035
Excelsior	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	11/2012	08/02/2032
Falcon Heights	\$2.25	\$3.50	\$22.00	\$200.00	\$2.00	—	—	10/2018	06/12/2038
Faribault ¹	\$1.48	\$1.76	\$35.20	\$308.00	—	—	—	01/2019	12/31/2019
Faribault ¹	\$1.63	\$1.94	\$38.72	\$338.80	—	—	—	01/2020	11/08/2024
Forest Lake	\$4.00	\$2.50	\$18.50	\$75.00	\$7.50	\$2.50	\$18.50	05/2013	01/27/2033
Golden Valley	\$6.00	\$6.00	\$30.00	\$258.00	—	—	—	04/2018	12/17/2027

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¹ Faribault: The franchise fee excludes invoices to the city for street lighting and municipal pumping.

(Continued on Sheet No. 5-93.2)

Date Filed: 10-31-18

By: Christopher B. Clark

Effective Date: 01-01-19

President, Northern States Power Company, a Minnesota corporation

Docket No. E,G999/CI-09-970

Order Date: 03-23-11

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES**

Section No. 5
6th Revised Sheet No. 93.1a

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Deephaven	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	04/2002	11/02/2030
Dilworth	\$2.60	\$6.00	\$21.00	\$136.50	—	\$6.00	\$21.00	05/2018	02/25/2038
Eagle Lake	\$0.50	\$0.50	\$0.50	\$0.50	—	—	—	10/2012	05/06/2032
Eden Prairie	\$4.00	\$5.00	\$12.50	\$55.00	—	—	—	04/2018	06/18/2032
Edina	\$2.40	\$4.08	\$11.40	\$48.60	—	—	—	07/2018	11/03/2035
Excelsior	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	11/2012	08/02/2032
Falcon Heights	\$2.25	\$3.50	\$22.00	\$200.00	\$2.00	—	—	10/2018	06/12/2038
Faribault ¹	\$1.35	\$1.60	\$32.00	\$280.00	—	—	—	01/2006	11/08/2024
Forest Lake	\$4.00	\$2.50	\$18.50	\$75.00	\$7.50	\$2.50	\$18.50	05/2013	01/27/2033
Golden Valley	\$6.00	\$6.00	\$30.00	\$258.00	—	—	—	04/2018	12/17/2027

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¹ Faribault: The franchise fee excludes invoices to the city for street lighting and municipal pumping.

(Continued on Sheet No. 5-93.2)

Date Filed: 08-29-18 By: Christopher B. Clark Effective Date: 11-01-18
President, Northern States Power Company, a Minnesota corporation

Docket No. E,G999/CI-09-970 Order Date: 03-23-11

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES**

Section No. 5
5th Revised Sheet No. 93.1a

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Deephaven	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	04/2002	11/02/2030
Dilworth	\$2.60	\$6.00	\$21.00	\$136.50	—	\$6.00	\$21.00	05/2018	02/25/2038
Eagle Lake	\$0.50	\$0.50	\$0.50	\$0.50	—	—	—	10/2012	05/06/2032
Eden Prairie	\$4.00	\$5.00	\$12.50	\$55.00	—	—	—	04/2018	06/18/2032
Edina	\$2.40	\$4.08	\$11.40	\$48.60	—	—	—	07/2018	11/03/2035
Excelsior	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	11/2012	08/02/2032
Falcon Heights	\$2.25	\$3.50	\$22.00	\$200.00	\$2.00	—	—	10/2018	06/12/2038

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(Continued on Sheet No. 5-93.2)

Date Filed: 07-26-18 By: Christopher B. Clark Effective Date: 10-01-18
President, Northern States Power Company, a Minnesota corporation
Docket No. E,G999/CI-09-970 Order Date: 03-23-11

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES**

Section No. 5
4th Revised Sheet No. 93.1a

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Deephaven	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	04/2002	11/02/2030
Dilworth	\$2.60	\$6.00	\$21.00	\$136.50	—	\$6.00	\$21.00	05/2018	02/25/2038
Eagle Lake	\$0.50	\$0.50	\$0.50	\$0.50	—	—	—	10/2012	05/06/2032
Eden Prairie	\$4.00	\$5.00	\$12.50	\$55.00	—	—	—	04/2018	06/18/2032
Edina	\$2.40	\$4.08	\$11.40	\$48.60	—	—	—	07/2018	11/03/2035
Excelsior	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	11/2012	08/02/2032

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(Continued on Sheet No. 5-93.2)

Date Filed: 05-01-18 By: Christopher B. Clark Effective Date: 07-01-18
President, Northern States Power Company, a Minnesota corporation
Docket No. E,G999/CI-09-970 Order Date: 03-23-11

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES**

Section No. 5
3rd Revised Sheet No. 93.1a

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Deephaven	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	04/2002	11/02/2030
Dilworth	\$2.60	\$6.00	\$21.00	\$136.50	—	\$6.00	\$21.00	05/2018	02/25/2038
Eagle Lake	\$0.50	\$0.50	\$0.50	\$0.50	—	—	—	10/2012	05/06/2032
Eden Prairie	\$4.00	\$5.00	\$12.50	\$55.00	—	—	—	04/2018	06/18/2032
Edina	\$1.95	\$3.40	\$9.50	\$40.50	—	—	—	03/2016	11/03/2035
Excelsior	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	\$2.50	11/2012	08/02/2032

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(Continued on Sheet No. 5-93.2)

Date Filed: 02-28-18 By: Christopher B. Clark Effective Date: 05-01-18
President, Northern States Power Company, a Minnesota corporation
Docket No. E,G999/CI-09-970 Order Date: 03-23-11

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
20th Revised Sheet No. 93.2

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Goodview	\$2.75	\$3.00	\$25.00	\$110.00	\$25.00	\$2.50	\$10.00	07/2006	04/30/2026
Grant	\$2.35	\$2.00	\$14.00	\$75.00	\$2.00	\$2.00	\$2.00	01/2015	12/01/2023
Hayfield	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	01/2015	04/17/2031
Henderson	\$3.00	\$3.00	\$3.00	\$3.00	—	—	—	04/2012	08/16/2031
Hopkins	\$3.50	\$6.15	\$24.70	\$170.50	—	—	—	01/2019	12/31/2023
Inver Grove Heights	\$2.75	\$3.00	\$25.00	\$95.00	—	—	—	01/2018	06/30/2029
Landfall Village	\$2.25	\$4.75	\$14.00	\$65.00	\$15.50	—	—	04/2014	12/10/2033
Lexington	\$4.00	\$6.50	\$40.00	\$170.00	—	—	—	03/2017	10/05/2031
Lindstrom	\$2.50	\$5.00	\$24.00	\$70.00	\$7.00	\$7.00	\$7.00	04/2016	12/17/2028
Little Canada	\$2.75	\$5.25	\$40.00	\$230.00	\$15.50	\$2.00	\$3.00	07/2010	08/26/2023
Madison Lake	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	05/2013	02/03/2033
Mahtomedi	\$1.30	\$1.38	\$14.40	\$110.28	\$12.71	\$0.63	\$14.84	01/2005	10/18/2024
Mankato	\$1.00	\$1.55	\$16.50	\$223.00	\$1.00	\$0.25	\$1.00	02/2015	09/21/2034
Mantorville	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	11/2012	08/12/2032
Maplewood	\$3.00	\$4.75	\$30.00	\$180.00	\$4.00	\$4.00	\$4.00	11/2018	09/26/2024

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(Continued on Sheet No. 5-93.3)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
19th Revised Sheet No. 93.2

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Goodview	\$2.75	\$3.00	\$25.00	\$110.00	\$25.00	\$2.50	\$10.00	07/2006	04/30/2026
Grant	\$2.35	\$2.00	\$14.00	\$75.00	\$2.00	\$2.00	\$2.00	01/2015	12/01/2023
Hayfield	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	01/2015	04/17/2031
Henderson	\$3.00	\$3.00	\$3.00	\$3.00	—	—	—	04/2012	08/16/2031
Hopkins	\$2.20	\$3.85	\$15.50	\$105.50	—	—	—	01/2014	12/31/2018
Inver Grove Heights	\$2.75	\$3.00	\$25.00	\$95.00	—	—	—	01/2018	06/30/2029
Landfall Village	\$2.25	\$4.75	\$14.00	\$65.00	\$15.50	—	—	04/2014	12/10/2033
Lexington	\$4.00	\$6.50	\$40.00	\$170.00	—	—	—	03/2017	10/05/2031
Lindstrom	\$2.50	\$5.00	\$24.00	\$70.00	\$7.00	\$7.00	\$7.00	04/2016	12/17/2028
Little Canada	\$2.75	\$5.25	\$40.00	\$230.00	\$15.50	\$2.00	\$3.00	07/2010	08/26/2023
Madison Lake	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	05/2013	02/03/2033
Mahtomedi	\$1.30	\$1.38	\$14.40	\$110.28	\$12.71	\$0.63	\$14.84	01/2005	10/18/2024
Mankato	\$1.00	\$1.55	\$16.50	\$223.00	\$1.00	\$0.25	\$1.00	02/2015	09/21/2034
Mantorville	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	11/2012	08/12/2032
Maplewood	\$3.00	\$4.75	\$30.00	\$180.00	\$4.00	\$4.00	\$4.00	11/2018	09/26/2024

(Continued on Sheet No. 5-93.3)

Date Filed: 08-29-18 By: Christopher B. Clark Effective Date: 11-01-18
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
18th Revised Sheet No. 93.2

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Faribault ¹	\$1.35	\$1.60	\$32.00	\$280.00	—	—	—	01/2006	11/08/2024
Forest Lake	\$4.00	\$2.50	\$18.50	\$75.00	\$7.50	\$2.50	\$18.50	05/2013	01/27/2033
Golden Valley	\$6.00	\$6.00	\$30.00	\$258.00	—	—	—	04/2018	12/17/2027
Goodview	\$2.75	\$3.00	\$25.00	\$110.00	\$25.00	\$2.50	\$10.00	07/2006	04/30/2026
Grant	\$2.35	\$2.00	\$14.00	\$75.00	\$2.00	\$2.00	\$2.00	01/2015	12/01/2023
Hayfield	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	01/2015	04/17/2031
Henderson	\$3.00	\$3.00	\$3.00	\$3.00	—	—	—	04/2012	08/16/2031
Hopkins	\$2.20	\$3.85	\$15.50	\$105.50	—	—	—	01/2014	12/31/2018
Inver Grove Heights	\$2.75	\$3.00	\$25.00	\$95.00	—	—	—	01/2018	06/30/2029
Landfall Village	\$2.25	\$4.75	\$14.00	\$65.00	\$15.50	—	—	04/2014	12/10/2033
Lexington	\$4.00	\$6.50	\$40.00	\$170.00	—	—	—	03/2017	10/05/2031
Lindstrom	\$2.50	\$5.00	\$24.00	\$70.00	\$7.00	\$7.00	\$7.00	04/2016	12/17/2028
Little Canada	\$2.75	\$5.25	\$40.00	\$230.00	\$15.50	\$2.00	\$3.00	07/2010	08/26/2023
Madison Lake	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00	05/2013	02/03/2033
Mahtomedi	\$1.30	\$1.38	\$14.40	\$110.28	\$12.71	\$0.63	\$14.84	01/2005	10/18/2024
Mankato	\$1.00	\$1.55	\$16.50	\$223.00	\$1.00	\$0.25	\$1.00	02/2015	09/21/2034
Mantorville	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	\$2.00	11/2012	08/12/2032
Maplewood	\$1.25	\$2.50	\$15.00	\$112.50	\$1.25	\$1.25	\$1.25	12/2013	09/26/2024

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¹ Faribault: The franchise fee excludes invoices to the city for street lighting and municipal pumping.

(Continued on Sheet No. 5-93.3)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES (Continued)

Section No. 5
18th Revised Sheet No. 93.3

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Minneapolis	5.0%	5.5% <100 kW	5.5% <100 kW	3.5% ≥100 kW at primary or higher voltage 5.5% ≥100 kW at secondary voltage	5.5%	5.5%	5.5%	03/2018	10/16/2024
Minnetonka	\$4.50	\$4.50	\$13.50	\$45.00	—	\$4.50	\$4.50	01/2019	05/14/2038
Monticello	\$1.95	\$5.50	\$31.00	\$190.00	\$12.00	\$12.00	\$31.00	06/2007	05/31/2027
Mound	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	01/2017	12/31/2020
Mounds View	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	01/2019	12/31/2021
New Brighton	\$0.0047 per kWh	\$0.0043 per kWh	\$0.0033 per kWh	\$0.0017 per kWh	\$0.0054 per kWh	\$0.0046 per kWh	\$0.0033 per kWh	03/2016	11/25/2022
New Hope	\$3.00	\$6.00	\$26.00	\$115.00	—	—	—	01/2017	06/26/2031
New Richland	\$1.00	\$1.00	\$1.00	\$1.00	—	—	—	02/2013	07/11/2024
Newport	\$1.00	\$1.50	\$14.00	\$70.00	\$5.00	\$1.00	\$10.00	01/2011	10/18/2026
North Branch	\$3.50	\$3.50	\$8.75	\$17.50	—	—	—	08/2018	04/09/2038

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(Continued on Sheet No. 5-93.4)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES (Continued)

Section No. 5
17th Revised Sheet No. 93.3

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Minneapolis	5.0%	5.5% <100 kW	5.5% <100 kW	3.5% ≥100 kW at primary or higher voltage 5.5% ≥100 kW at secondary voltage	5.5%	5.5%	5.5%	03/2018	10/16/2024
Minnetonka	\$2.50	\$4.50	\$4.50	\$4.50	—	\$4.50	\$4.50	08/2018	05/14/2038
Monticello	\$1.95	\$5.50	\$31.00	\$190.00	\$12.00	\$12.00	\$31.00	06/2007	05/31/2027
Mound	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	01/2017	12/31/2020
Mounds View	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	01/2018	12/31/2018
New Brighton	\$0.0047 per kWh	\$0.0043 per kWh	\$0.0033 per kWh	\$0.0017 per kWh	\$0.0054 per kWh	\$0.0046 per kWh	\$0.0033 per kWh	03/2016	11/25/2022
New Hope	\$3.00	\$6.00	\$26.00	\$115.00	—	—	—	01/2017	06/26/2031
New Richland	\$1.00	\$1.00	\$1.00	\$1.00	—	—	—	02/2013	07/11/2024
Newport	\$1.00	\$1.50	\$14.00	\$70.00	\$5.00	\$1.00	\$10.00	01/2011	10/18/2026
North Branch	\$3.50	\$3.50	\$8.75	\$17.50	—	—	—	08/2018	04/09/2038

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(Continued on Sheet No. 5-93.4)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES (Continued)

Section No. 5
16th Revised Sheet No. 93.3

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Minneapolis	5.0%	5.5% <100 kW	5.5% <100 kW	3.5% ≥100 kW at primary or higher voltage 5.5% ≥100 kW at secondary voltage	5.5%	5.5%	5.5%	03/2018	10/16/2024
Minnetonka	\$2.50	\$4.50	\$4.50	\$4.50	—	\$4.50	\$4.50	11/2007	08/09/2018
Monticello	\$1.95	\$5.50	\$31.00	\$190.00	\$12.00	\$12.00	\$31.00	06/2007	05/31/2027
Mound	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	01/2017	12/31/2020
Mounds View	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	01/2018	12/31/2018
New Brighton	\$0.0047 per kWh	\$0.0043 per kWh	\$0.0033 per kWh	\$0.0017 per kWh	\$0.0054 per kWh	\$0.0046 per kWh	\$0.0033 per kWh	03/2016	11/25/2022
New Hope	\$3.00	\$6.00	\$26.00	\$115.00	—	—	—	01/2017	06/26/2031
New Richland	\$1.00	\$1.00	\$1.00	\$1.00	—	—	—	02/2013	07/11/2024
Newport	\$1.00	\$1.50	\$14.00	\$70.00	\$5.00	\$1.00	\$10.00	01/2011	10/18/2026

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(Continued on Sheet No. 5-93.4)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
21st Revised Sheet No. 93.4

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
North Mankato	\$1.00	\$1.55	\$16.50	\$223.00	\$17.62	\$1.46	\$12.30	04/2015	10/05/2034
Oakdale	\$1.50	\$3.00	\$10.00	\$8.00	\$6.00	\$2.00	\$8.00	11/2013	10/27/2023
Osseo	\$1.28	\$2.07	\$17.57	\$102.65	\$6.20	\$0.45	\$2.55	03/2012	10/26/2023
Owatonna	\$0.0016 per kWh Customer peak demand less than 100 kW in calendar year \$0.0014 per kWh Customer peak demand greater than 100 kW in calendar year							01/2003	04/01/2022
Plymouth	\$2.12	\$3.18	\$10.61	\$42.44	—	—	—	08/2018	07/09/2027
Prior Lake	\$1.50	\$5.00	\$10.00	\$50.00	—	—	—	07/2006	03/19/2026
Richmond	\$1.00	\$1.00	\$1.00	\$1.00	—	—	—	05/2013	05/03/2031
Richfield	\$4.10	\$12.50	\$30.00	\$185.00	—	—	—	04/2014	03/12/2027
Robbinsdale	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	06/2019	07/01/2021
Rogers	\$5.00	\$7.00	\$45.00	\$210.00	\$17.00	\$12.00	\$65.00	01/2016	11/22/2024
Sartell	\$4.00	\$6.75	\$15.00	\$109.00	—	—	—	01/2017	09/11/2036
Sauk Rapids	4.0% Customers who purchase \$50,000 or less in calendar year 1.5% That part which exceeds \$50,000 in calendar year							02/2016	06/15/2023
Shakopee ¹	3.0%	3.0%	3.0%	3.0%	—	—	—	01/2017	08/06/2021
Shoreview	\$2.50	\$3.00	\$30.00	\$310.00	—	—	—	10/2013	07/17/2031

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¹ Shakopee: The fee collected shall total three percent (3%) of the Company's gross revenues from its operations within the City collected from each customer of each class. For customers in the Large C&I class, the three percent franchise fee is applicable to the first \$950,000 of calendar year gross revenues. The franchise fee is reduced to one-half percent (0.5%) for the remaining amount of annual gross revenues exceeding \$950,000.

(Continued on Sheet No. 5-93.5)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES (Continued)

Section No. 5
20th Revised Sheet No. 93.4

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.
— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
North Mankato	\$1.00	\$1.55	\$16.50	\$223.00	\$17.62	\$1.46	\$12.30	04/2015	10/05/2034
Oakdale	\$1.50	\$3.00	\$10.00	\$8.00	\$6.00	\$2.00	\$8.00	11/2013	10/27/2023
Osseo	\$1.28	\$2.07	\$17.57	\$102.65	\$6.20	\$0.45	\$2.55	03/2012	10/26/2023
Owatonna	\$0.0016 per kWh Customer peak demand less than 100 kW in calendar year \$0.0014 per kWh Customer peak demand greater than 100 kW in calendar year							01/2003	04/01/2022
Plymouth	\$2.12	\$3.18	\$10.61	\$42.44	—	—	—	08/2018	07/09/2027
Prior Lake	\$1.50	\$5.00	\$10.00	\$50.00	—	—	—	07/2006	03/19/2026
Richmond	\$1.00	\$1.00	\$1.00	\$1.00	—	—	—	05/2013	05/03/2031
Richfield	\$4.10	\$12.50	\$30.00	\$185.00	—	—	—	04/2014	03/12/2027
Robbinsdale	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	06/2017	07/01/2019
Rogers	\$5.00	\$7.00	\$45.00	\$210.00	\$17.00	\$12.00	\$65.00	01/2016	11/22/2024
Sartell	\$4.00	\$6.75	\$15.00	\$109.00	—	—	—	01/2017	09/11/2036
Sauk Rapids	4.0% Customers who purchase \$50,000 or less in calendar year 1.5% That part which exceeds \$50,000 in calendar year							02/2016	06/15/2023
Shakopee ¹	3.0%	3.0%	3.0%	3.0%	—	—	—	01/2017	08/06/2021
Shoreview	\$2.50	\$3.00	\$30.00	\$310.00	—	—	—	10/2013	07/17/2031

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¹ Shakopee: The fee collected shall total three percent (3%) of the Company's gross revenues from its operations within the City collected from each customer of each class. For customers in the Large C&I class, the three percent franchise fee is applicable to the first \$950,000 of calendar year gross revenues. The franchise fee is reduced to one-half percent (0.5%) for the remaining amount of annual gross revenues exceeding \$950,000.

(Continued on Sheet No. 5-93.5)

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 President, Northern States Power Company, a Minnesota corporation
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
19th Revised Sheet No. 93.4

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
North Mankato	\$1.00	\$1.55	\$16.50	\$223.00	\$17.62	\$1.46	\$12.30	04/2015	10/05/2034
Oakdale	\$1.50	\$3.00	\$10.00	\$8.00	\$6.00	\$2.00	\$8.00	11/2013	10/27/2023
Osseo	\$1.28	\$2.07	\$17.57	\$102.65	\$6.20	\$0.45	\$2.55	03/2012	10/26/2023
Owatonna	\$0.0016 per kWh Customer peak demand less than 100 kW in calendar year \$0.0014 per kWh Customer peak demand greater than 100 kW in calendar year							01/2003	04/01/2022
Plymouth	\$2.06	\$3.09	\$10.30	\$41.20	—	—	—	06/2017	07/09/2027
Prior Lake	\$1.50	\$5.00	\$10.00	\$50.00	—	—	—	07/2006	03/19/2026
Richmond	\$1.00	\$1.00	\$1.00	\$1.00	—	—	—	05/2013	05/03/2031
Richfield	\$4.10	\$12.50	\$30.00	\$185.00	—	—	—	04/2014	03/12/2027
Robbinsdale	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	06/2017	07/01/2019
Rogers	\$5.00	\$7.00	\$45.00	\$210.00	\$17.00	\$12.00	\$65.00	01/2016	11/22/2024
Sartell	\$4.00	\$6.75	\$15.00	\$109.00	—	—	—	01/2017	09/11/2036
Sauk Rapids	4.0% Customers who purchase \$50,000 or less in calendar year 1.5% That part which exceeds \$50,000 in calendar year							02/2016	06/15/2023
Shakopee ¹	3.0%	3.0%	3.0%	3.0%	—	—	—	01/2017	08/06/2021
Shoreview	\$2.50	\$3.00	\$30.00	\$310.00	—	—	—	10/2013	07/17/2031

¹ Shakopee: The fee collected shall total three percent (3%) of the Company's gross revenues from its operations within the City collected from each customer of each class. For customers in the Large C&I class, the three percent franchise fee is applicable to the first \$950,000 of calendar year gross revenues. The franchise fee is reduced to one-half percent (0.5%) for the remaining amount of annual gross revenues exceeding \$950,000.

(Continued on Sheet No. 5-93.5)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
18th Revised Sheet No. 93.5

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Shorewood	\$4.00	\$8.00	\$10.00	\$25.00	—	—	—	10/2018	06/24/2038
South St. Paul ¹	5.0%	5.0%	5.0%	5.0%	—	—	—	04/2018	04/05/2030
Spicer	\$1.00	\$1.00	\$8.00	\$8.00	—	—	—	02/2013	10/01/2032
Spring Lake Park	\$0.80	\$1.20	\$8.50	\$50.00	—	—	—	04/2015	01/04/2035
St. Cloud ²	4.0%	4.0%	4.0%	4.0%	—	—	—	12/2017	12/31/2024
St. Joseph	\$1.00	\$1.75	\$10.00	2% purchase ≤\$100,000 in calendar year 1.5% that part >\$100,000 in calendar year	\$8.00	\$1.00	\$10.00	02/2004	11/19/2023
St. Louis Park	\$5.50	\$10.00	\$46.50	\$146.50	—	\$10.00	\$46.50	06/2019	09/18/2036
St. Michael	\$3.50	\$2.50	\$2.50	\$10.00	\$10.00	\$2.50	\$10.00	05/2011	11/24/2023
St. Paul ³	See fee schedule in the Notes section on the following sheets.							11/2006	08/31/2026
St. Paul Park	\$1.50	\$2.00	\$25.00	\$335.00	\$10.00	\$1.00	\$5.00	08/2005	05/15/2025
Stillwater	\$2.00	\$2.50	\$18.00	\$125.00	\$4.00	\$2.00	\$18.00	06/2015	02/16/2035

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¹ South St. Paul: The franchise fee excludes rate schedules for highway lighting, municipal street lighting, municipal water pumping, municipal traffic signals, municipal fire sirens, and municipal sewage disposal service.

² St. Cloud: The franchise fee for residential heating customers will be 1.5% during the months of November – April.

³ St. Paul: The monthly franchise fee will be as stated on the following sheets. The residential service franchise fee will be as stated except during the months of November - April when there will be no fee. The fee shall not exceed \$620,000 during any calendar year from any large commercial and industrial customer qualifying for service on the Competitive Market Rider. The schedule on the following sheets show the meter, energy, and demand factor for each year of the St. Paul franchise and for each of the customer classifications.

(Continued on Sheet No. 5-93.6)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES (Continued)

Section No. 5
17th Revised Sheet No. 93.5

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Shorewood	\$4.00	\$8.00	\$10.00	\$25.00	—	—	—	10/2018	06/24/2038
South St. Paul ¹	5.0%	5.0%	5.0%	5.0%	—	—	—	04/2018	04/05/2030
Spicer	\$1.00	\$1.00	\$8.00	\$8.00	—	—	—	02/2013	10/01/2032
Spring Lake Park	\$0.80	\$1.20	\$8.50	\$50.00	—	—	—	04/2015	01/04/2035
St. Cloud ²	4.0%	4.0%	4.0%	4.0%	—	—	—	12/2017	12/31/2024
St. Joseph	\$1.00	\$1.75	\$10.00	2% purchase ≤\$100,000 in calendar year 1.5% that part >\$100,000 in calendar year	\$8.00	\$1.00	\$10.00	02/2004	11/19/2023
St. Louis Park	\$4.00	\$8.50	\$45.00	\$145.00	—	\$8.50	\$45.00	02/2017	09/18/2036
St. Michael	\$3.50	\$2.50	\$2.50	\$10.00	\$10.00	\$2.50	\$10.00	05/2011	11/24/2023
St. Paul ³	See fee schedule in the Notes section on the following sheets.							11/2006	08/31/2026
St. Paul Park	\$1.50	\$2.00	\$25.00	\$335.00	\$10.00	\$1.00	\$5.00	08/2005	05/15/2025
Stillwater	\$2.00	\$2.50	\$18.00	\$125.00	\$4.00	\$2.00	\$18.00	06/2015	02/16/2035

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¹ South St. Paul: The franchise fee excludes rate schedules for highway lighting, municipal street lighting, municipal water pumping, municipal traffic signals, municipal fire sirens, and municipal sewage disposal service.

² St. Cloud: The franchise fee for residential heating customers will be 1.5% during the months of November – April.

³ St. Paul: The monthly franchise fee will be as stated on the following sheets. The residential service franchise fee will be as stated except during the months of November - April when there will be no fee. The fee shall not exceed \$620,000 during any calendar year from any large commercial and industrial customer qualifying for service on the Competitive Market Rider. The schedule on the following sheets show the meter, energy, and demand factor for each year of the St. Paul franchise and for each of the customer classifications.

(Continued on Sheet No. 5-93.6)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
16th Revised Sheet No. 93.5

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
South St. Paul ¹	5.0%	5.0%	5.0%	5.0%	—	—	—	04/2018	04/05/2030
Spicer	\$1.00	\$1.00	\$8.00	\$8.00	—	—	—	02/2013	10/01/2032
Spring Lake Park	\$0.80	\$1.20	\$8.50	\$50.00	—	—	—	04/2015	01/04/2035
St. Cloud ²	4.0%	4.0%	4.0%	4.0%	—	—	—	12/2017	12/31/2024
St. Joseph	\$1.00	\$1.75	\$10.00	2% purchase ≤\$100,000 in calendar year 1.5% that part >\$100,000 in calendar year	\$8.00	\$1.00	\$10.00	02/2004	11/19/2023
St. Louis Park	\$4.00	\$8.50	\$45.00	\$145.00	—	\$8.50	\$45.00	02/2017	09/18/2036
St. Michael	\$3.50	\$2.50	\$2.50	\$10.00	\$10.00	\$2.50	\$10.00	05/2011	11/24/2023
St. Paul ³	See fee schedule in the Notes section on the following sheets.							11/2006	08/31/2026
St. Paul Park	\$1.50	\$2.00	\$25.00	\$335.00	\$10.00	\$1.00	\$5.00	08/2005	05/15/2025
Stillwater	\$2.00	\$2.50	\$18.00	\$125.00	\$4.00	\$2.00	\$18.00	06/2015	02/16/2035

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¹ South St. Paul: The franchise fee excludes rate schedules for highway lighting, municipal street lighting, municipal water pumping, municipal traffic signals, municipal fire sirens, and municipal sewage disposal service.

² St. Cloud: The franchise fee for residential heating customers will be 1.5% during the months of November – April.

³ St. Paul: The monthly franchise fee will be as stated on the following sheets. The residential service franchise fee will be as stated except during the months of November - April when there will be no fee. The fee shall not exceed \$620,000 during any calendar year from any large commercial and industrial customer qualifying for service on the Competitive Market Rider. The schedule on the following sheets show the meter, energy, and demand factor for each year of the St. Paul franchise and for each of the customer classifications.

(Continued on Sheet No. 5-93.6)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
4th Revised Sheet No. 93.6

Notes:
³ St. Paul (continued)

Customer Class	Meter Factor - Monthly Charge per Account					
	Start Date End Date	1-Nov-2006 31-Oct-2008	1-Nov-2008 31-Oct-2010	1-Nov-2010 31-Oct-2012	1-Nov-2012 31-Oct-2014	1-Nov-2014 31-Oct-2016
Residential (May - October)		\$2.63	\$2.70	\$2.77	\$2.84	\$2.91
Small Commercial & Industrial						
Non-Demand		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48
Firm Secondary		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48
Firm Primary		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48
Interruptible Secondary		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48
Interruptible Primary		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48
Large Commercial & Industrial						
Special		\$5.04	\$5.11	\$5.18	\$5.25	\$5.32
Firm Secondary		\$5.04	\$5.11	\$5.18	\$5.25	\$5.32
Firm Primary		\$5.04	\$5.11	\$5.18	\$5.25	\$5.32
Firm Trans. Transf.		\$5.04	\$5.11	\$5.18	\$5.25	\$5.32
Interruptible Secondary		\$5.04	\$5.11	\$5.18	\$5.25	\$5.32
Interruptible Primary		\$5.04	\$5.11	\$5.18	\$5.25	\$5.32
Interruptible TT		\$5.04	\$5.11	\$5.18	\$5.25	\$5.32
Standby Service		None	None	None	None	None
Public Street & Highway Lighting		\$6.74	\$6.81	\$6.88	\$6.95	\$7.02
Small Municipal Pumping						
Non-Demand		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48
Demand Secondary		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48
Demand Primary		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48
Large Municipal Pumping						
Demand Primary (Sec cust)		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48
Fire and Civil Defense Siren Service		\$2.96	\$3.09	\$3.22	\$3.35	\$3.48

(Continued on Sheet No. 5-93.7)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES (Continued)

Section No. 5
4th Revised Sheet No. 93.7

Notes:

³ St. Paul (continued)

Customer Class	Meter Factor - Monthly Charge per Account					
	Start Date End Date	1-Nov-2016 31-Oct-2018	1-Nov-2018 31-Oct-2020	1-Nov-2020 31-Oct-2022	1-Nov-2022 31-Oct-2024	1-Nov-2024 31-Aug-2026
Residential (May - October)		\$3.03	\$3.15	\$3.27	\$3.40	\$3.54
Small Commercial & Industrial						
Non-Demand		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23
Firm Secondary		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23
Firm Primary		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23
Interruptible Secondary		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23
Interruptible Primary		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23
Large Commercial & Industrial						
Special		\$5.53	\$5.75	\$5.98	\$6.22	\$6.47
Firm Secondary		\$5.53	\$5.75	\$5.98	\$6.22	\$6.47
Firm Primary		\$5.53	\$5.75	\$5.98	\$6.22	\$6.47
Firm Trans. Transf.		\$5.53	\$5.75	\$5.98	\$6.22	\$6.47
Interruptible Secondary		\$5.53	\$5.75	\$5.98	\$6.22	\$6.47
Interruptible Primary		\$5.53	\$5.75	\$5.98	\$6.22	\$6.47
Interruptible TT		\$5.53	\$5.75	\$5.98	\$6.22	\$6.47
Standby Service		None	None	None	None	None
Public Street & Highway Lighting		\$7.30	\$7.59	\$7.90	\$8.21	\$8.54
Small Municipal Pumping						
Non-Demand		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23
Demand Secondary		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23
Demand Primary		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23
Large Municipal Pumping						
Demand Primary (Sec cust)		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23
Fire and Civil Defense Siren Service		\$3.62	\$3.76	\$3.91	\$4.07	\$4.23

(Continued on Sheet No. 5-93.8)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
4th Revised Sheet No. 93.8

Notes:
³ St. Paul (continued)

Customer Class	Energy Factor - Monthly Charge per kWh					
	Start Date End Date	1-Nov-2006 31-Oct-2008	1-Nov-2008 31-Oct-2010	1-Nov-2010 31-Oct-2012	1-Nov-2012 31-Oct-2014	1-Nov-2014 31-Oct-2016
Residential (May - October)		\$0.0094	\$0.0095	\$0.0096	\$0.0097	\$0.0098
Small Commercial & Industrial						
Non-Demand		\$0.0040	\$0.0040	\$0.0040	\$0.0040	\$0.0040
Firm Secondary		\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Firm Primary		\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Interruptible Secondary		\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Interruptible Primary		\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Large Commercial & Industrial						
Special		\$0.0028	\$0.0028	\$0.0028	\$0.0028	\$0.0028
Firm Secondary		\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013
Firm Primary		\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013
Firm Trans. Transf.		\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013
Interruptible Secondary		\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013
Interruptible Primary		\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013
Interruptible TT		\$0.0013	\$0.0013	\$0.0013	\$0.0013	\$0.0013
Standby Service		None	None	None	None	None
Public Street & Highway Lighting		\$0.0040	\$0.0040	\$0.0040	\$0.0040	\$0.0040
Small Municipal Pumping						
Non-Demand		\$0.0040	\$0.0040	\$0.0040	\$0.0040	\$0.0040
Demand Secondary		\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Demand Primary		\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Large Municipal Pumping						
Demand Primary (Sec cust)		\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018
Fire and Civil Defense Siren Service		\$0.0018	\$0.0018	\$0.0018	\$0.0018	\$0.0018

(Continued on Sheet No. 5-93.9)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES (Continued)

Section No. 5
4th Revised Sheet No. 93.9

Notes:

³ St. Paul (continued)

Customer Class	Energy Factor - Monthly Charge per kWh					
	Start Date End Date	1-Nov-2016 31-Oct-2018	1-Nov-2018 31-Oct-2020	1-Nov-2020 31-Oct-2022	1-Nov-2022 31-Oct-2024	1-Nov-2024 31-Aug-2026
Residential (May - October)		\$0.0102	\$0.0106	\$0.0110	\$0.0115	\$0.0119
Small Commercial & Industrial						
Non-Demand		\$0.0042	\$0.0043	\$0.0045	\$0.0047	\$0.0049
Firm Secondary		\$0.0019	\$0.0019	\$0.0020	\$0.0021	\$0.0022
Firm Primary		\$0.0019	\$0.0019	\$0.0020	\$0.0021	\$0.0022
Interruptible Secondary		\$0.0019	\$0.0019	\$0.0020	\$0.0021	\$0.0022
Interruptible Primary		\$0.0019	\$0.0019	\$0.0020	\$0.0021	\$0.0022
Large Commercial & Industrial						
Special		\$0.0029	\$0.0030	\$0.0031	\$0.0033	\$0.0034
Firm Secondary		\$0.0014	\$0.0014	\$0.0015	\$0.0015	\$0.0016
Firm Primary		\$0.0014	\$0.0014	\$0.0015	\$0.0015	\$0.0016
Firm Trans. Transf.		\$0.0014	\$0.0014	\$0.0015	\$0.0015	\$0.0016
Interruptible Secondary		\$0.0014	\$0.0014	\$0.0015	\$0.0015	\$0.0016
Interruptible Primary		\$0.0014	\$0.0014	\$0.0015	\$0.0015	\$0.0016
Interruptible TT		\$0.0014	\$0.0014	\$0.0015	\$0.0015	\$0.0016
Standby Service		None	None	None	None	None
Public Street & Highway Lighting		\$0.0042	\$0.0043	\$0.0045	\$0.0047	\$0.0049
Small Municipal Pumping						
Non-Demand		\$0.0042	\$0.0043	\$0.0045	\$0.0047	\$0.0049
Demand Secondary		\$0.0019	\$0.0019	\$0.0020	\$0.0021	\$0.0022
Demand Primary		\$0.0019	\$0.0019	\$0.0020	\$0.0021	\$0.0022
Large Municipal Pumping						
Demand Primary (Sec cust)		\$0.0019	\$0.0019	\$0.0020	\$0.0021	\$0.0022
Fire and Civil Defense Siren Service		\$0.0019	\$0.0019	\$0.0020	\$0.0021	\$0.0022

(Continued on Sheet No. 5-93.10)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
4th Revised Sheet No. 93.10

Notes:
³ St. Paul (continued)

Customer Class	Demand Factor - Monthly Charge per kW					
	Start Date End Date	1-Nov-2006 31-Oct-2008	1-Nov-2008 31-Oct-2010	1-Nov-2010 31-Oct-2012	1-Nov-2012 31-Oct-2014	1-Nov-2014 31-Oct-2016
Residential (May - October)		None	None	None	None	None
Small Commercial & Industrial						
Non-Demand		None	None	None	None	None
Firm Secondary		\$1.10	\$1.10	\$1.10	\$1.10	\$1.10
Firm Primary		\$1.06	\$1.06	\$1.06	\$1.06	\$1.06
Interruptible Secondary		\$1.10	\$1.10	\$1.10	\$1.10	\$1.10
Interruptible Primary		\$1.06	\$1.06	\$1.06	\$1.06	\$1.06
Large Commercial & Industrial						
Special		None	None	None	None	None
Firm Secondary		\$1.10	\$1.10	\$1.10	\$1.10	\$1.10
Firm Primary		\$1.06	\$1.06	\$1.06	\$1.06	\$1.06
Firm Trans. Transf.		\$1.06	\$1.06	\$1.06	\$1.06	\$1.06
Interruptible Secondary		\$0.81	\$0.81	\$0.81	\$0.81	\$0.81
Interruptible Primary		\$0.71	\$0.71	\$0.71	\$0.71	\$0.71
Interruptible TT		\$0.51	\$0.54	\$0.57	\$0.60	\$0.63
Standby Service		\$0.30	\$0.33	\$0.36	\$0.39	\$0.42
Public Street & Highway Lighting		None	None	None	None	None
Small Municipal Pumping						
Non-Demand		None	None	None	None	None
Demand Secondary		\$1.10	\$1.10	\$1.10	\$1.10	\$1.10
Demand Primary		\$1.06	\$1.06	\$1.06	\$1.06	\$1.06
Large Municipal Pumping						
Demand Primary (Sec cust)		\$1.06	\$1.06	\$1.06	\$1.06	\$1.06
Fire and Civil Defense Siren Service		\$1.06	\$1.06	\$1.06	\$1.06	\$1.06

(Continued on Sheet No. 5-93.11)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES (Continued)

Section No. 5
4th Revised Sheet No. 93.11

Notes:

³ St. Paul (continued)

Customer Class	Demand Factor - Monthly Charge per kW					
	Start Date End Date	1-Nov-2016 31-Oct-2018	1-Nov-2018 31-Oct-2020	1-Nov-2020 31-Oct-2022	1-Nov-2022 31-Oct-2024	1-Nov-2024 31-Aug-2026
Residential (May - October)		None	None	None	None	None
Small Commercial & Industrial						
Non-Demand		None	None	None	None	None
Firm Secondary		\$1.14	\$1.19	\$1.24	\$1.29	\$1.34
Firm Primary		\$1.10	\$1.15	\$1.19	\$1.24	\$1.29
Interruptible Secondary		\$1.14	\$1.19	\$1.24	\$1.29	\$1.34
Interruptible Primary		\$1.10	\$1.15	\$1.19	\$1.24	\$1.29
Large Commercial & Industrial						
Special		None	None	None	None	None
Firm Secondary		\$1.14	\$1.19	\$1.24	\$1.29	\$1.34
Firm Primary		\$1.10	\$1.15	\$1.19	\$1.24	\$1.29
Firm Trans. Transf.		\$1.10	\$1.15	\$1.19	\$1.24	\$1.29
Interruptible Secondary		\$0.84	\$0.88	\$0.91	\$0.95	\$0.99
Interruptible Primary		\$0.74	\$0.77	\$0.80	\$0.83	\$0.86
Interruptible TT		\$0.66	\$0.68	\$0.71	\$0.74	\$0.77
Standby Service		\$0.44	\$0.45	\$0.47	\$0.49	\$0.51
Public Street & Highway Lighting		None	None	None	None	None
Small Municipal Pumping						
Non-Demand		None	None	None	None	None
Demand Secondary		\$1.14	\$1.19	\$1.24	\$1.29	\$1.34
Demand Primary		\$1.10	\$1.15	\$1.19	\$1.24	\$1.29
Large Municipal Pumping						
Demand Primary (Sec cust)		\$1.10	\$1.15	\$1.19	\$1.24	\$1.29
Fire and Civil Defense Siren Service		\$1.10	\$1.15	\$1.19	\$1.24	\$1.29

(Continued on Sheet No. 5-93.12)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
10th Revised Sheet No. 93.12

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local governmental unit.

— Indicates fee is not applied

Franchise Fees									
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date
Vadnais Heights	\$2.00	\$3.00	\$13.00	\$60.00	—	—	—	05/2018	01/01/2038
Victoria	\$3.00	\$10.00	\$10.00	\$10.00	—	—	—	02/2017	10/09/2036
Waite Park	\$4.00	\$6.75	\$15.00	\$109.00	—	—	—	01/2019	06/10/2032
Watertown	\$3.00	\$4.50	\$16.00	\$51.00	—	\$13.50	\$21.00	04/2010	04/10/2027
Wayzata	\$2.06	\$4.64	\$4.64	\$15.45	\$1.03	\$1.03	\$1.03	03/2011	11/30/2026
White Bear Lake	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	05/2018	01/08/2038
Winona	4.0%	Customers who purchase \$100,000 or less in calendar year						06/2003	06/15/2023
	1.5%	That part which exceeds \$100,000 in calendar year							
Winsted	\$2.00	\$2.00	\$2.00	\$2.00	—	—	—	05/2012	12/19/2031

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(Continued on Sheet No. 5-93.13)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**FRANCHISE AND OTHER CITY FEES (Continued)**

Section No. 5
9th Revised Sheet No. 93.12

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local governmental unit.

— Indicates fee is not applied

Franchise Fees										
City	Residential	Small C&I Non-demand	Small C&I Demand	Large C&I	Public Street Lighting	Municipal Pumping Non-demand	Municipal Pumping Demand	Effective Date	Expiration Date	
Vadnais Heights	\$2.00	\$3.00	\$13.00	\$60.00	—	—	—	05/2018	01/01/2038	N
Victoria	\$3.00	\$10.00	\$10.00	\$10.00	—	—	—	02/2017	10/09/2036	
Watertown	\$3.00	\$4.50	\$16.00	\$51.00	—	\$13.50	\$21.00	04/2010	04/10/2027	
Wayzata	\$2.06	\$4.64	\$4.64	\$15.45	\$1.03	\$1.03	\$1.03	03/2011	11/30/2026	
White Bear Lake	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	05/2018	01/08/2038	C
Winona	4.0%	Customers who purchase \$100,000 or less in calendar year						06/2003	06/15/2023	
	1.5%	That part which exceeds \$100,000 in calendar year								
Winsted	\$2.00	\$2.00	\$2.00	\$2.00	—	—	—	05/2012	12/19/2031	

(Continued on Sheet No. 5-93.13)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES

Section No. 5
4th Revised Sheet No. 93.13

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.*
(U) Indicates unincorporated community

Other City Fees			
City	Description	Effective Date	Expiration Date
West St. Paul	Pursuant to city code, the Company collects a 6.38% of gross earnings tax derived from the sale of electricity within the City of West St. Paul excluding electric energy supplied to the City for municipal services. The amount collected is remitted to the City of West St. Paul.	07/2018	--
FEES NOT REMITTED DIRECTLY TO CITY			
Baker (U)	The Company collects a fee of \$3.25 per residential and small commercial and industrial customer in the community of Baker for energy usage and maintenance on community street lighting. The amount collected is applied to Baker's street lighting bill.	03/1994	--

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*Except Baker. See above.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

FRANCHISE AND OTHER CITY FEES

Section No. 5
3rd Revised Sheet No. 93.13

Franchise and other city fees, as designated below will be included in the customers' monthly bills computed under the indicated rate classes and effective in the following Minnesota communities:

The Company remits 100% of these fees collected from ratepayers to the local government unit.*

(U) Indicates unincorporated community

Other City Fees			
City	Description	Effective Date	Expiration Date
West St. Paul	Pursuant to city code, the Company collects a 5.26% of gross earnings tax derived from the sale of electricity within the City of West St. Paul excluding electric energy supplied to the City for municipal services. The amount collected is remitted to the City of West St. Paul.	12/1996	--
FEES NOT REMITTED DIRECTLY TO CITY			
Baker (U)	The Company collects a fee of \$3.25 per residential and small commercial and industrial customer in the community of Baker for energy usage and maintenance on community street lighting. The amount collected is applied to Baker's street lighting bill.	03/1994	--

*Except Baker. See above.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

INTERIM RATE SURCHARGE RIDER

Section No. 5
12th Revised Sheet No. 94

CANCELED

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

LOW INCOME ENERGY DISCOUNT RIDER

Section No. 5
9th Revised Sheet No. 95

DISCOUNT PROGRAM

Eligible Senior and / or Disabled customers receive a \$15 discount in each monthly billing period. Customers must be certified annually by an authorized agency as receiving assistance from the Low Income Home Energy Assistance Program.

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PowerOn PROGRAM

Eligible Seniors and / or Disabled, and Customers Under 62 Years of Age with no Disability.

A customer using more than 3% of their annual household income for electric use may be eligible for the Company's PowerOn affordability program. Customers must be certified annually by an authorized agency as receiving assistance from the Low Income Home Energy Assistance Program. The Company will offer customers with the lowest income, and a history of electric consumption that exceeds the residential average of 750 kWh per month, an affordable monthly bill. For a customer to be eligible for a supplemental reduction in their electric bill, the customer must agree to affordable monthly payments.

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Medical Affordability PROGRAM

Available to customers with certified medical circumstances and an income level up to 50 percent of the state median income guidelines. Availability will be extended to medically certified customers with income up to 60 percent of the state median income guidelines if funds are available. Availability is on a first-come/first-served basis until the budget is exhausted.

- Affordability Credit: Participating customers will receive an affordability credit limiting their bill to 3% of household income.
- Arrearage Credit: Participating customers will receive an arrearage credit. Receipt of the arrearage forgiveness credit will require a customer copayment that does not exceed 3% of the customer's annual income. The arrearage credit is designed to eliminate customer arrears over a period of 12 to 24 months.
- Customer Payment Requirements: Participating customers that miss two consecutive monthly payments will be removed from the program and subject to regular collection practices, including service disconnection.

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TERMS AND CONDITIONS OF SERVICE

1. The company will review current billing information, approved LIHEAP benefits and household income to make payment arrangements with the customer. A mutually agreed to payment plan will be offered to the customer and a payment schedule provided.
2. Customer must maintain an active account registered under customer's name with the Company to be eligible for this discount Rider.
3. Customers receiving assistance from LIHEAP with electric service through one meter for domestic and non-domestic purposes jointly may be eligible for this Discount Rider subject to Company's verification and approval. The Company shall determine the kWh use that is for domestic purposes. This Discount Rider only applies to kWh use for domestic purposes.

(Continued on Sheet No. 5-96)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LOW INCOME ENERGY DISCOUNT RIDER
(Continued)**

Section No. 5
12th Revised Sheet No. 96

TERMS AND CONDITIONS OF SERVICE (Continued)

4. Qualified customers are only eligible to receive an energy discount under this Rider at one residential location at any one time and the discount only applies to a qualified customer's permanent primary residence. This Rider will not be available when, in the opinion of the Company, the customer's accommodation or occupancy is of temporary nature.
5. The discount shall be prospective and may not be applicable to past due bills or non-electric services.
6. An annual application and eligibility declaration is required for each request for service under this Rider. Without declaration of continuing eligibility, the discount ends in the September calendar month of each year.
7. It is the customer's responsibility to notify the Company if there is a change of address or eligibility status.
8. Discounts will be credited to the eligible customer bills one billing month after Company's receipt of notification of LIHEAP certification. The applicable discount under this Rider will be retroactive to the October billing month during that same LIHEAP fiscal year.
9. Refusal or failure of a customer or agencies to provide documentation of eligibility acceptable to the Company may result in removal from this Rider.
10. Customers may be rebilled for periods of ineligibility under the applicable rate schedule.
11. This Rider shall meet the conditions of Minnesota Statutes, Chapter 216B.16, Subd. 14 on low income discount rates.

PROGRAM SURCHARGE

Rider program costs shall be recovered in the following per month amounts, with the total surcharge as a separate line item on customer billing statements:

Service Category	Base	PowerOn	Medical Affordability	Total	
Residential	\$0.58	\$0.21	\$0.19	\$0.98	R
C&I Non-Demand	\$0.78	\$0.26	\$0.23	\$1.27	R
C&I Demand	\$2.34	\$0.66	\$0.60	\$3.60	R

Xcel Energy customers who receive LIHEAP assistance in the current LIHEAP year (October 1–September 30) and Lighting class service customers are exempt from paying the program surcharge.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**LOW INCOME ENERGY DISCOUNT RIDER
(Continued)**

Section No. 5
11th Revised Sheet No. 96

TERMS AND CONDITIONS OF SERVICE (Continued)

4. Qualified customers are only eligible to receive an energy discount under this Rider at one residential location at any one time and the discount only applies to a qualified customer's permanent primary residence. This Rider will not be available when, in the opinion of the Company, the customer's accommodation or occupancy is of temporary nature.
5. The discount shall be prospective and may not be applicable to past due bills or non-electric services.
6. An annual application and eligibility declaration is required for each request for service under this Rider. Without declaration of continuing eligibility, the discount ends in the September calendar month of each year.
7. It is the customer's responsibility to notify the Company if there is a change of address or eligibility status.
8. Discounts will be credited to the eligible customer bills one billing month after Company's receipt of notification of LIHEAP certification. The applicable discount under this Rider will be retroactive to the October billing month during that same LIHEAP fiscal year.
9. Refusal or failure of a customer or agencies to provide documentation of eligibility acceptable to the Company may result in removal from this Rider.
10. Customers may be rebilled for periods of ineligibility under the applicable rate schedule.
11. This Rider shall meet the conditions of Minnesota Statutes, Chapter 216B.16, Subd. 14 on low income discount rates.

PROGRAM SURCHARGE

Rider program costs shall be recovered in the following per month amounts, with the total surcharge as a separate line item on customer billing statements:

Service Category	Base	PowerOn	Medical Affordability	Total	
Residential	\$0.57	\$0.21	\$0.19	\$0.97	N
C&I Non-Demand	\$0.77	\$0.26	\$0.23	\$1.26	N
C&I Demand	\$2.30	\$0.66	\$0.60	\$3.56	N

Xcel Energy customers who receive LIHEAP assistance in the current LIHEAP year (October 1–September 30) and Lighting class service customers are exempt from paying the program surcharge.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL CONTROLLED AIR CONDITIONING AND
WATER HEATING RIDER**

Section No. 5
8th Revised Sheet No. 97

AVAILABILITY

Available to Residential Service customers with:

1. Company controlled central air conditioning, or
2. Company controlled heat pumps receiving Energy Controlled Service (Non-Demand Metered) with optional non-interruptible service during June through September.

Company controlled electric water heating is also available to residential customers with a controlled central air conditioner or heat pump, except electric water heaters served with the Energy Controlled Service (Non-Demand Metered) rate schedule. Availability is limited to customers located in areas which are within the operating range of radio control transmitters.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

RIDER

Residential Central Air Conditioning. A 15% discount will apply to the energy and fuel cost charges up to a maximum of 4,000 kWh per month during the billing months of June through September.

Residential Electric Water Heating. A 2% discount will apply to the energy and fuel cost charges up to a maximum of 4,000 kWh per month during each billing month provided total energy use is not less than 300 kWh.

TERMS AND CONDITIONS OF SERVICE

1. The duration and frequency of interruptions will be determined by Company. Customer's air conditioning equipment will normally be cycled on a schedule designed to achieve a 50% reduction in the homes air conditioning requirements during load management period. Air conditioning interruptions will normally occur on high demand days during summer months. Water heating interruptions will normally occur on high demand days during summer and winter months. 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 the Company's opinion, the reliability of the system may be at risk. Air conditioning and water heating interruptions will not normally occur during the observation day of the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. The interruptions as described above, will be made so as to benefit native load and may occur up to a maximum of 300 hours per calendar year.
2. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
3. To be eligible for this service, customer must agree to Company load control for a minimum term of one year.

(Continued on Sheet No. 5-98)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

**RESIDENTIAL CONTROLLED AIR CONDITIONING AND
WATER HEATING RIDER (Continued)**

Section No. 5
5th Revised Sheet No. 98

TERMS AND CONDITIONS OF SERVICE (Continued)

4. The storage capacity of the water heater shall be 40 gallons or more in order to be eligible for this service.
5. The residential central air conditioning energy charge discount for Energy Controlled Service (Non-Demand Metered) customers will also apply to their standard service energy charge.
6. Rider availability for heat pump installations is limited to those sized for summer cooling requirements, as determined by Company.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

**COMMERCIAL AND INDUSTRIAL
CONTROLLED AIR CONDITIONING RIDER**

Section No. 5
8th Revised Sheet No. 99

AVAILABILITY

Available to non-residential customers with Company controlled central air conditioning. Availability is restricted to customers with single and/or dual stage air conditioning units.

RIDER

A \$5.00 per ton per month credit shall be applied to customer's bill during each of the four summer billing months (June through September).

TERMS AND CONDITIONS OF SERVICE

1. The duration and frequency of interruptions will be determined by the Company. Customer single and dual stage air conditioners will be cycled on a schedule designed to achieve a 50% reduction in the building air conditioning requirements during a load management period. Dual stage air conditioners will be allowed to have the first stage run without interruption while the second stage will be shut off for the entire load management period. Air conditioning interruptions will normally occur on high demand days during summer months. 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 the Company's opinion, the reliability of the system may be at risk. Air conditioning interruptions will not normally occur during the observation day of the following holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. The interruptions as described above, will be made so as to benefit native load and may occur up to a maximum of 300 hours per calendar year.
2. Company shall not be liable for any loss or damage caused by or resulting from any interruption of service.
3. To be eligible for this service, customer must be on Small General Service, Small General Time of Day Service, General Service, or General Time of Day Service and customer must agree to Company load control for no less than one year.
4. Rider will not be available to customers that have an air conditioning system which significantly exceeds summer cooling requirements, as determined by Company.
5. Company will normally control every air conditioning unit at the customer's building. Subject to Company approval, customers may exclude individual air conditioning units from Company control where those units serve either a sufficiently isolated area within a building or a separate building.
6. Availability is limited to customers located within the operating range of radio control transmitters.
7. Those air conditioning units that the Company is not able to install equipment on will be excluded.

(Continued on Sheet No. 5-99.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**COMMERCIAL AND INDUSTRIAL
CONTROLLED AIR CONDITIONING RIDER (Continued)**

Section No. 5
5th Revised Sheet No. 99.1

TERMS AND CONDITIONS OF SERVICE (Continued)

8. If the Company determines that its load management equipment on the customer's premises has been rendered ineffective due to tampering by use of mechanical, electrical, or other devices or actions, then the Company may discontinue the customer's participation in the program. The customer would be billed for all expenses involved with the removal of the load management equipment and any charges resulting from the investigation of the device tampering. The Company may rebill all prior load management credits received by the customer to the date the tampering appears to have first occurred or the previous twelve months, which ever is longer. The customer will be removed from the program and is not eligible to participate again for twelve months. The Company will verify installation has been corrected before the customer is permitted to participate in the program.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401
MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

OFF SEASON LOAD RIDER

Section No. 5
5th Revised Sheet No. 100

AVAILABILITY

Available to any General Service customer whose maximum monthly demand occurs during the usage months of April, May, October, or November. Typical applications would be agricultural grain drying and handling loads.

RATE

The General Service rate provisions apply except the adjusted demands established during the usage months of April, May, October, and November are not included in determining the 50% demand ratchet contained in the General Service determination of demand provision.

TERMS AND CONDITIONS OF SERVICE

1. The customer's usage months for this Rider must be contained by the following meter reading schedule. The two month fall season begins no earlier than the billing cycle 11 meter reading date in mid-September and ends no later than the billing cycle 10 meter reading date in mid-December. The two month spring season begins no earlier than the billing cycle 11 meter reading date in mid-March and ends no later than the billing cycle 10 meter reading date in mid-June.
2. Customer must compensate Company for the costs associated with local distribution facilities required to serve customer load during the months of April, May, October, and November, which is in excess of customer's base load during the remaining months.

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER

Section No. 5
20th Revised Sheet No. 101

AVAILABILITY

Applicable to customers that use a customer-sited generation source with a capacity greater than 100 kW to serve a defined portion of the customer's total electric energy requirements and where customer chooses to use the Company's electric service to serve that defined load when the customer-sited generation is either partly or wholly unavailable. Customer must select one of the following services types: Firm Unscheduled Maintenance, Firm Scheduled Maintenance, or Non-Firm service. This Rider is not available to solar photovoltaic generation systems and is closed to new wind generation systems.

Under this tariff the Company will provide Standby Service in accordance with the provisions of this tariff as well as those of Section 2.4 of the General Rules and Regulations.

RATE

	<u>Firm Standby</u>		<u>Non-Firm</u>	
	<u>Unscheduled Maintenance</u>	<u>Scheduled Maintenance</u>	<u>Standby</u>	
Customer Charge per Month	\$25.64	\$25.64	\$25.64	
Reservation Demand Charge per Month per kW of Contracted Standby Capacity				
Secondary Voltage Service	\$3.06	\$2.96	\$2.35	R
Primary Voltage Service	\$2.26	\$2.16	\$1.55	R
Transmission Transformed Voltage Service	\$1.51	\$1.41	\$0.80	R
Transmission Voltage Service	\$0.71	\$0.61	\$0.00	R
<u>Peak Period Standby Energy Surcharge per kWh</u>				
June – September		\$0.06312		R
Other Months		\$0.04130		R

Energy Charge per kWh. All energy used under this Rider will be charged at the applicable energy rate of the base tariff to which this Rider is attached and is not applicable to the base tariff Energy Charge Credit.

STANDBY ENERGY USAGE

Standby energy usage occurs when the customer-sited generation source output in kW is less than contracted standby kW capacity. Standby energy usage in kWh is measured in 15-minute intervals and is defined as the kWh energy associated with constant operation of customer-sited generation at the contract standby kW capacity level less actual energy production of customer-sited generation, but not less than zero kWh for each 15-minute interval. Actual energy production of customer-sited generation will be measured by Company-owned and installed production metering equipment.

(Continued on Sheet No. 5-101.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER

Section No. 5
19th Revised Sheet No. 101

AVAILABILITY

Applicable to customers that use a customer-sited generation source with a capacity greater than 100 kW to serve a defined portion of the customer's total electric energy requirements and where customer chooses to use the Company's electric service to serve that defined load when the customer-sited generation is either partly or wholly unavailable. Customer must select one of the following services types: Firm Unscheduled Maintenance, Firm Scheduled Maintenance, or Non-Firm service. This Rider is not available to solar photovoltaic generation systems and is closed to new wind generation systems.

Under this tariff the Company will provide Standby Service in accordance with the provisions of this tariff as well as those of Section 2.4 of the General Rules and Regulations.

RATE

	<u>Firm Standby</u>		<u>Non-Firm Standby</u>	
	<u>Unscheduled Maintenance</u>	<u>Scheduled Maintenance</u>		
Customer Charge per Month	\$25.64	\$25.64	\$25.64	
Reservation Demand Charge per Month per kW of Contracted Standby Capacity				
Secondary Voltage Service	\$3.10	\$3.00	\$2.35	R
Primary Voltage Service	\$2.30	\$2.20	\$1.55	R
Transmission Transformed Voltage Service	\$1.55	\$1.45	\$0.80	R
Transmission Voltage Service	\$0.75	\$0.65	\$0.00	R
<u>Peak Period Standby Energy Surcharge per kWh</u>				
June – September		\$0.06693		R
Other Months		\$0.04389		R

Energy Charge per kWh. All energy used under this Rider will be charged at the applicable energy rate of the base tariff to which this Rider is attached and is not applicable to the base tariff Energy Charge Credit.

STANDBY ENERGY USAGE

Standby energy usage occurs when the customer-sited generation source output in kW is less than contracted standby kW capacity. Standby energy usage in kWh is measured in 15-minute intervals and is defined as the kWh energy associated with constant operation of customer-sited generation at the contract standby kW capacity level less actual energy production of customer-sited generation, but not less than zero kWh for each 15-minute interval. Actual energy production of customer-sited generation will be measured by Company-owned and installed production metering equipment.

(Continued on Sheet No. 5-101.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER

Section No. 5
18th Revised Sheet No. 101

AVAILABILITY

Applicable to customers that use a customer-sited generation source with a capacity greater than 100 kW to serve a defined portion of the customer's total electric energy requirements and where customer chooses to use the Company's electric service to serve that defined load when the customer-sited generation is either partly or wholly unavailable. Customer must select one of the following services types: Firm Unscheduled Maintenance, Firm Scheduled Maintenance, or Non-Firm service. This Rider is not available to solar photovoltaic generation systems and is closed to new wind generation systems. C
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Under this tariff the Company will provide Standby Service in accordance with the provisions of this tariff as well as those of Section 2.4 of the General Rules and Regulations.

RATE

	<u>Firm Standby</u>		Non-Firm	
	<u>Unscheduled Maintenance</u>	<u>Scheduled Maintenance</u>	<u>Standby</u>	
Customer Charge per Month	\$25.64	\$25.64	\$25.64	
Reservation Demand Charge per Month per kW of Contracted Standby Capacity				CL L
Secondary Voltage Service	\$3.08	\$2.98	\$2.35	R
Primary Voltage Service	\$2.28	\$2.18	\$1.55	R
Transmission Transformed Voltage Service	\$1.53	\$1.43	\$0.80	R
Transmission Voltage Service	\$0.73	\$0.63	\$0.00	R D
<u>Peak Period Standby Energy Surcharge per kWh</u>				N
June – September		\$0.06545		N
Other Months		\$0.04242		N

Energy Charge per kWh. All energy used under this Rider will be charged at the applicable energy rate of the base tariff to which this Rider is attached and is not applicable to the base tariff Energy Charge Credit. LC
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STANDBY ENERGY USAGE

Standby energy usage occurs when the customer-sited generation source output in kW is less than contracted standby kW capacity. Standby energy usage in kWh is measured in 15-minute intervals and is defined as the kWh energy associated with constant operation of customer-sited generation at the contract standby kW capacity level less actual energy production of customer-sited generation, but not less than zero kWh for each 15-minute interval. Actual energy production of customer-sited generation will be measured by Company-owned and installed production metering equipment. N
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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER

Section No. 5
17th Revised Sheet No. 101

AVAILABILITY

Applicable to customers that use an alternative generation source with a capacity greater than 100 kW, where the alternative generation serves all or a portion of customer's electric energy requirements and where customer chooses to use the Company's electric service to serve that load when the alternative generation is either partly or wholly unavailable.

Under this tariff the Company will provide Standby Service in accordance with the provisions of this tariff as well as those of Section 2.4 of the General Rules and Regulations.

RESERVATION RATE

	<u>Firm Standby</u>		<u>Non-Firm</u>	
	<u>Unscheduled Maintenance</u>	<u>Scheduled Maintenance</u>	<u>Standby</u>	
Customer Charge per Month	\$25.64	\$25.64	\$25.64	R
Demand Charge per Month per kW of Contracted Standby Capacity				
Secondary Voltage Service	\$3.54	\$3.44	\$2.35	R
Primary Voltage Service	\$2.74	\$2.64	\$1.55	R
Transmission Transformed Voltage Service	\$1.99	\$1.89	\$0.80	R
Transmission Voltage Service	\$1.19	\$1.09	\$0.00	R
Hours per kW of Contracted Standby Capacity - Annual Grace Period Use of Unscheduled Standby, Exemption from the Demand Charge Component of the "Usage Rates" below.	964	964	0	

USAGE RATES

Demand Charge per kW of Standby Capacity Used. After the Annual Grace Period hours provided for Unscheduled and Scheduled Service are used up, the Demand Charge of the base tariff, to which this Rider is attached, replaces the above Reservation Rate.

Energy Charge per kWh of Standby Energy Used. All energy used under this Rider will be charged at the applicable energy rate of the base tariff to which this Rider is attached.

PHOTOVOLTAIC SOLAR CREDIT

A capacity credit of \$5.15 per month per kW is applicable when the alternative generation source used by the customer is photovoltaic solar. This credit shall only be applied to the applicable Demand Charge of the base tariff for the contracted demand component of the Usage Rates outside of the Grace Period.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

(Continued on Sheet No. 5-102)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
Original Sheet No. 101.1

PEAK PERIOD STANDBY ENERGY USAGE

Peak period standby energy usage is the amount of Standby Energy Usage occurring during the peak period that does not occur during a qualifying scheduled maintenance period or is associated with Non-Firm service. Peak period standby energy usage is subject to the Peak Period Standby Energy Surcharge.

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DEFINITION OF PEAK PERIOD

Peak period hours are the six hours between 1:00 p.m. and 7 p.m. for all days.

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In addition, customer bills under this rate are subject to the following adjustments and/or charges.

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FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

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RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

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ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

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(Continued on Sheet No. 5-102)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
14th Revised Sheet No. 102

DETERMINATION OF DEMAND

The billing demand in kW for application to the Standby Service Reservation Demand Charge rate will be the contracted Standby capacity specified in the customer's Electric Service Agreement, which is the maximum capacity of Standby Service the Company is obligated to supply, and is the amount of load expected to be served by the customer-sited generation source. In no case shall the contracted Standby capacity be established at more than the capacity of the customer-sited generation source. Contracted Standby capacity may be different for the summer and winter seasons or by month.

The metered capacity in kW supplied by Company for Standby Energy Usage by customer will be excluded from the actual demand in kW used to determine any billed demand for the base tariff to which this Rider is attached. This exclusion is determined as the maximum total customer demand, defined as the total of capacity supplied by the customer-sited generation source and the Company measured in 15-minute intervals, less contracted Standby capacity. All demand measurements will be determined with Company owned and installed meters. The exclusion of capacity supplied by Company for Standby Energy Usage by customer from any base tariff determination of demand calculation is represented by the equation: Base tariff actual demand in kW = Site load (Company supplied capacity in kW measured by the base tariff service meter + Customer supplied capacity in kW measured by production metering of customer-sited generation) – Contracted Standby capacity in kW as determined by the customer nomination in effect for the applicable billing period.

Any billing demand in kW for the base tariff to which this Rider is attached will be calculated using the applicable determination of demand provision defined in the base tariff. For a time of day base tariff, the on-peak and off-peak periods used for billed demand calculations will be based on the definition of peak periods included in the time of day base tariff.

TERMS AND CONDITIONS OF SERVICE

1. Standby Service Rider is applicable to any customer who requires greater than 100 kW of Standby capacity. Standby Service may not be used by a customer to serve controllable demand that is subject to interruption as determined by the Company under the Company's controllable service schedules.

(Continued on Sheet No. 5-103)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
13th Revised Sheet No. 102

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DETERMINATION OF DEMAND

The billing demand applicable to this Standby Service Rider is determined separately from the billing demand applicable to the base tariff to which this Rider attaches. The demand associated with actual use of Standby Service will be subtracted from the total metered demand, to determine the demand for standard service, to which the base tariff demand charge applies.

For applying the Standby Service Reservation Rate, the billing demand will be the contracted Standby capacity specified in the customer's Electric Service Agreement, which is the maximum capacity of Standby Service the Company is obligated to supply, and is the amount of load served by the customer's alternative generation. In no case shall the contracted Standby capacity be established at more than the capacity of the customer's generation facility. This contracted Standby capacity may be different for the summer and winter seasons.

For applying the demand component of the Usage Rates, the billing demand shall be the capacity actually used by the customer, when customer's generator is wholly or partly out of service. This amount of Standby capacity actually used shall be the contracted Standby capacity less the actual capacity supplied by the customer's generating facilities (assuming it is operating, but not at full capacity), but not less than zero.

TERMS AND CONDITIONS OF SERVICE

- Standby Service Rider is applicable to any customer who requires greater than 100 kW of Standby capacity. Standby Service may not be used by a customer to serve controllable demand that is subject to interruption as determined by the Company under the Company's controllable service schedules.

(Continued on Sheet No. 5-103)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
7th Revised Sheet No. 103

TERMS AND CONDITIONS OF SERVICE (Continued)

2. Customer will execute an Electric Service Agreement with the Company which will specify:
 - a. Type of Standby Service elected by the customer and the base tariff to which this Rider is attached.
 - b. The total Standby capacity requirements for which Company will be providing Standby power and to which the Standby Service reservation rate applies as well as the expected level of standard service the customer will take, even if the standard service level is expected to be zero. T
 - c. The process and requirements for nominating contracted Standby capacity, including seasonal or monthly levels. N
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3. The Company's standard service meter will be detented to measure only the amount of capacity and energy provided by the Company to the customer.
4. Company will not be obligated to supply Standby Service to back-up a customer's generator at a level in excess of the Standby capacity for which customer has contracted. This restriction in no way limits the amount of standard service the customer requires from the Company under the standard service tariff to which this Rider is attached. Any limits on standard service are governed by the provisions contained in the standard service tariffs.
5. Customer will be liable for all damages allowed by law to the extent caused by customer's use of Standby power in excess of contracted Standby capacity.
6. Company will require customer to revise the Electric Service Agreement to contract for additional Standby capacity if the customer exceeds the contract amount in any three of the preceding 12 months.
7. Customer will annually furnish documentation to Company confirming the maximum capacity and reliability of the power source for which customer requires Standby Service. The Company and the customer will review the actual output and performance of the power source relative to the capacity nominated for Standby Service in the Electric Service Agreement. If this review shows a significant and consistent shortfall between the power source's actual performance and the nominated capacity due to factors reasonably within the customer's control, the Company will notify the customer of its intent to refuse to provide Standby Service. Upon receipt of such notice, the customer may agree to reduce the Standby Service nomination in its Electric Service Agreement or to take such action as necessary to operate the power source at or reasonably near the nominated Standby Service capacity. If the customer's power source does not operate at or reasonably near that level during the 12 months immediately following the Company's notice, the Company may refuse to provide Standby Service until such time as the customer agrees to reduce its Standby Service nomination or provide the Company with documentation demonstrating the power source's actual performance at or reasonably near the nominated Standby Service capacity for a trial period of three consecutive months.
8. Customer will remain on Standby Service for a period of not less than 12 months.

(Continued on Sheet No. 5-104)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
6th Revised Sheet No. 103

TERMS AND CONDITIONS OF SERVICE (Continued)

2. Customer will execute an Electric Service Agreement with the Company which will specify:
 - a. Type of Standby Service elected by the customer and the base tariff to which this Rider is attached.
 - b. The total Standby capacity requirements for which Company will be providing Standby power and to which the Standby Service reservation rate applies as well as the expected level of standard service the customer will take, even if the standard service level is expected to be zero.
3. The Company's standard service meter will be detented to measure only the amount of capacity and energy provided by the Company to the customer.
4. Company will not be obligated to supply Standby Service to back-up a customer's generator at a level in excess of the Standby capacity for which customer has contracted. This restriction in no way limits the amount of standard service the customer requires from the Company under the standard service tariff to which this Rider is attached. Any limits on standard service are governed by the provisions contained in the standard service tariffs.
5. Customer will be liable for all damages allowed by law to the extent caused by customer's use of Standby power in excess of contracted Standby capacity.
6. Company will require customer to revise the Electric Service Agreement to contract for additional Standby capacity if the customer exceeds the contract amount in any three of the preceding 12 months.
7. Customer will annually furnish documentation to Company confirming the maximum capacity and reliability of the power source for which customer requires Standby Service. The Company and the customer will review the actual output and performance of the power source relative to the capacity nominated for Standby Service in the Electric Service Agreement. If this review shows a significant and consistent shortfall between the power source's actual performance and the nominated capacity due to factors reasonably within the customer's control, the Company will notify the customer of its intent to refuse to provide Standby Service. Upon receipt of such notice, the customer may agree to reduce the Standby Service nomination in its Electric Service Agreement or to take such action as necessary to operate the power source at or reasonably near the nominated Standby Service capacity. If the customer's power source does not operate at or reasonably near that level during the 12 months immediately following the Company's notice, the Company may refuse to provide Standby Service until such time as the customer agrees to reduce its Standby Service nomination or provide the Company with documentation demonstrating the power source's actual performance at or reasonably near the nominated Standby Service capacity for a trial period of three consecutive months.
8. Customer will remain on Standby Service for a period of not less than 12 months.

(Continued on Sheet No. 5-104)

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
8th Revised Sheet No. 104

TERMS AND CONDITIONS OF SERVICE (Continued)

- 9. In the event Company provides advance notice to customer of expected system peak load conditions for a specified time period and customer uses unscheduled standby backup demand during that time period, the backup demand quantity used will be billed at the firm service demand charge from the base tariff to which this Rider is attached instead of the Reservation Demand charge. The quantity of unscheduled standby backup demand used for this provision will be the maximum 15-minute measured interval of unscheduled standby backup demand used during the specified system peak hours, measured as contracted standby capacity less the capacity provided by the customer-sited generation source. Company notice of expected system peak load conditions for this provision will be provided through the same means Company uses to notify interruptible customers of an interruption requirement. N
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- 10. Company will install and charge customer for the additional metering necessary, to allow for determining Peak Period Standby Energy usage. In particular, the Company will install a separate meter that measures the flow of power and energy from the customer's own generating facility. Customer shall reimburse the Company for the costs of installing, operating, and maintaining the required additional metering and for any other facilities required to serve the customer's Standby load. If, as a result of the customer's construction and installation of their generating facility, it is more practical for the customer to install some or all of the metering equipment required, the customer may be permitted to do so, subject to Company's approval of such equipment. LC
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(Continued on Sheet No. 5-105)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
7th Revised Sheet No. 104

TERMS AND CONDITIONS OF SERVICE (Continued)

9. Customer will be allowed annually a Grace Period as specified above for use of unscheduled Standby Service without incurring additional demand charges for use of Standby Service. Use of this Grace Period will be measured in terms of Standby energy used by customer with the maximum amount of grace energy being the hours specified above times the contracted Standby capacity. After the Grace Period has been exhausted and customer uses unscheduled Standby Service, the customer shall pay the Demand Charge specified in the Usage Rates instead of the Reservation Fees as listed above. In a billing month, when customer uses Standby Service, the base tariff billing demand and the Standby Service billing demand will be determined individually. The base tariff billing demand will be the greatest 15 minute load determined after separating Standby Service usage from the total metered demands. The time of this determined greatest 15 minute demand for application to the base tariff may or may not occur at the same time when Standby Service is used. Billed demand charges for usage of Standby Service will be in addition to the billed demand charges for the base tariff as just described.

Customers contracting for Standby Service to back up a solar photovoltaic system have the option to move their annual start date and subsequent Grace Periods forward to June 1. However, a customer shall not receive two annual Grace Periods for the same solar photovoltaic system in any rolling 12-month billing period.

10. Notwithstanding the Grace Period noted in provision 9 above, in the event customer requires unscheduled Standby Service at the times of Company's system peak hours in which the Company would have insufficient accredited capacity under the Midwest Reliability Organization (MRO) or any successor organization, and the Company incurs additional capacity costs as a result of such unscheduled Standby Service, customer shall pay Peak Demand Charges described below for the month in which such unscheduled Standby Service occurs and for each of the five succeeding months, instead of the above listed demand charges, or the demand charges under Section 9 above. Such Peak Demand Charges shall be based upon the following:
- a. If customer has notified Company of an unscheduled outage at least three hours prior to Company's system peak hour, such Peak Demand Charges shall be based on one-sixth of any additional capacity costs incurred by the Company as a result of the unscheduled outage. Such additional capacity costs shall not include any after-the-fact capacity purchase costs incurred by the Company.
 - b. If customer has not notified the Company of any unscheduled outage at least three hours prior to the Company's system peak hour, such peak demand charges shall be based on one-sixth of any additional capacity costs or after-the-fact purchase costs incurred by the Company as a result of the unscheduled outage. The demand for billing purposes for the succeeding five months shall be equal to the demand placed on the system during the time of the Company's system peak hour in which the said additional capacity costs were incurred.

(Continued on Sheet No. 5-105)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
8th Revised Sheet No. 105

ADDITIONAL TERMS AND CONDITIONS OF SERVICE ASSOCIATED WITH THE SCHEDULED MAINTENANCE OPTION

1. The optional Scheduled Maintenance rates are available to Standby Service customers who agree to schedule maintenance of their power source during qualifying scheduled maintenance periods.
2. Qualifying Scheduled Maintenance Periods

Maintenance may occur within the calendar months of April, May, October, and November without written customer notice to Company prior to the beginning of the maintenance period regardless of the size of the contracted Standby capacity.

In other months for customers with a base time of day tariff to which this Rider is attached, regardless of the size of the contracted Standby capacity, scheduled maintenance may occur, with Company approval, during weekends and holidays as identified in the time of day base tariff, where a documented customer request is provided no less than 48 hours prior to the beginning of the planned maintenance period. Company will endeavor to approve or deny the customer request within 24 hours of receiving the request.

For months other than April, May, October, and November, customers with a minimum contracted Standby capacity of 1,000 kW may schedule maintenance at a time period mutually agreed to by Company and customer, following a documented customer request. These time periods for scheduled maintenance will normally not include those times when Company expects high system seasonal peak load conditions or high energy production costs.

Customer shall provide an annual projection of scheduled maintenance to the Company. Customer shall be allowed changes or additions to this projection upon notice to the Company based on the following schedule:

<u>Outage Length</u>	<u>Required Notice</u>
Less than 72 hours	24 hours
3 days to 30 days	7 days
Over 30 days	90 days

3. The duration of qualifying scheduled maintenance periods may not exceed a total of 56 days in any 12 month period.

(Continued on Sheet No. 5-106)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
7th Revised Sheet No. 105

TERMS AND CONDITIONS OF SERVICE (Continued)

The provisions of this Section 10 shall not apply if appropriate capacity accreditation has been obtained for the customer's generation from the Midwest Reliability Organization (MRO), or any successor organization. Customer must take responsibility for the preparation of the information necessary for the accreditation filing. The Company will advise and assist the Customer in this process but failure of customer in the preparation of the information and/or failure to obtain accreditation of the customer's generation will result in the customer being ineligible for the exemption from the provisions of this Section 10.

11. In the event any portion of the capacity obtained by the Company, at additional costs, and which is attributable to the customer's use of Standby Service under Section 10 above, is subsequently also used to satisfy the requirements of the Company's other customers, the Peak Demand Charges under Section 10 above shall be reduced relative to the portion of said capacity used to serve other customers.
12. The Company shall provide notice to the Standby customers when peak load conditions are expected to occur through the same means that the Company notifies interruptible customers of the potential interruption.
13. Company will install and charge customer for the additional metering necessary, to allow for determination of the separate billing demand applicable to the base tariff and Standby Rider and for determining energy use under the Grace Period identified above. In particular, the Company will install a separate meter that measures the flow of power and energy from the customer's own generating facility. Customer shall reimburse the Company for the costs of installing, operating, and maintaining the required additional metering and for any other facilities required to serve the customer's Standby load. If, as a result of the customer's construction and installation of their generating facility, it is more practical for the customer to install some or all of the metering equipment required, the customer may be permitted to do so, subject to Company's approval of such equipment.

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
8th Revised Sheet No. 106

ADDITIONAL TERMS AND CONDITIONS OF SERVICE ASSOCIATED WITH THE SCHEDULED MAINTENANCE OPTION (Continued)

- 4. If customer does not comply with all terms and conditions for qualifying scheduled maintenance periods during any billing month, all use of Standby Service for the same month will be subject to the Peak Period Standby Energy charge provision. Company may determine partial non-compliance and limit the quantity of Standby Service usage subject to the Peak Period Standby Energy charge provision. Company reserves the right to remove availability of the Scheduled Maintenance Option for any customer upon a determination of significant and multiple occurrences of failure to comply with all associated terms and conditions.
- 5. The use of Standby Service during qualifying scheduled maintenance periods will not be included in the determination of Peak Period Standby Energy usage.

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(Continued on Sheet No. 5-107)

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
7th Revised Sheet No. 106

ADDITIONAL TERMS AND CONDITIONS OF SERVICE ASSOCIATED WITH THE SCHEDULED MAINTENANCE OPTION

1. The optional Scheduled Maintenance rates are available to Standby Service customers who agree to schedule maintenance of their power source during qualifying scheduled maintenance periods.
2. Qualifying Scheduled Maintenance Periods

Customers With Greater Than 100 kW to 10,000 kW of Contracted Standby Capacity. Maintenance must occur within the calendar months of April, May, October, and November. Customer must provide Company with written notice of scheduled maintenance prior to the beginning of the maintenance period.

Customers With Greater Than 10,000 kW of Contracted Standby Capacity. Maintenance must occur at a time period mutually agreed to by Company and customer. These time periods will normally not include those times when Company expects system seasonal peak load conditions to occur, nor at those times when Company is required to use generation or to purchase power, with production costs of \$70 or more per MWh. Customer shall provide an annual projection of scheduled maintenance to the Company. Customer shall be allowed changes or additions to this projection upon notice to the Company based on the following schedule:

<u>Outage Length</u>	<u>Required Notice</u>
Less than 48 hours	24 hours
2 days to 30 days	7 days
Over 30 days	90 days

3. The duration of qualifying scheduled maintenance periods may not exceed a total of six weeks in any 12 month period.
4. An additional charge shall apply if customer does not comply with all terms and conditions for qualifying scheduled maintenance periods. The additional charge shall be determined by calculating the additional charges which would have applied if customer were billed on the Unscheduled Maintenance Option for the period extending back to the customer's last scheduled maintenance period.
5. The demand charges of the base tariffs shall not apply to use of Standby Service during qualifying scheduled maintenance periods. Also, use of Standby Service during qualifying scheduled maintenance periods, will not count against the grace period.

(Continued on Sheet No. 5-107)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

STANDBY SERVICE RIDER (Continued)

Section No. 5
5th Revised Sheet No. 107

ADDITIONAL TERMS AND CONDITIONS OF SERVICE FOR NON-FIRM STANDBY OPTION

1. Non-firm standby rates are available to customers who agree to use Standby Service only by prearrangement with the Company.
2. Company makes no guarantee that Standby Service will be available to Non-Firm Standby Service customers; however, the Company will make reasonable efforts to provide Standby Service whenever possible.
3. Customer must request use of Standby Service and receive approval from the Company prior to actually using Standby Service.
4. Use of Standby Service without prior approval by the Company shall subject the Non-Firm Standby Service customer to the following:
 - a. The monthly demand charges from the base tariff applied to the unapproved Standby Service used in the month in which unapproved use of Standby Service occurred, plus
 - b. Firm Standby Service unscheduled maintenance option reservation fees retroactively applied to the six months prior to the month in which unapproved use of Standby Service occurred.
5. If unapproved use of Standby Service occurs twice in any 12 month period, the Company reserves the right to convert the Non-Firm Standby Service customer to Firm Standby Service.
6. Non-Firm Standby Service customers will remain on Non-Firm Standby Service for a period of not less than five years which includes a one year trial period.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SUPPLEMENTAL GENERATION SERVICE RIDER

Section No. 5
12th Revised Sheet No. 108

AVAILABILITY

Applicability of Supplemental Service is similar to that of Standby Service Rider, where customers with an alternative generation source greater than 60 kW, which serves all or a portion of the customer's electric energy requirements and where customer chooses to use the Company's electric service when the alternative generation is either partly or wholly unavailable.

Specifically, Supplemental Service is targeted at applications where the output of the alternative generation is designed primarily to meet the customer's thermal-load requirements and as such, the generator's electric energy output is variable because it is dependent on the customer's thermal requirements.

The normal expectation of this Rider is that the customer will contract for a firm portion of their backup supply from the Company under the Standby Service Rider and will contract for the variable portion under this Supplemental Generation Service Rider. Each customer request for service under this Rider will be evaluated on a customer specific basis to determine eligibility.

Under this service, the Company will provide Supplemental Generation Service in accordance with the provisions of the General Rules and Regulations, Section 2.4.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

RESERVATION RATES

Customer Charge per Month \$25.64

Demand Charge per Month per kW
of Contracted Supplemental Service

Secondary Voltage Service	\$3.40	
Primary Voltage Service	\$2.60	R
Transmission Transformed Voltage Service	\$1.85	R
Transmission Voltage Service	\$1.05	R

USAGE RATES

Demand Charge per Month per kW of Supplemental Generation Capacity Used. There will be no Usage Rate demand charge for Supplemental capacity actually used under this Rider except if that capacity is used during one of the Company's energy controlled or peak controlled interrupt periods. In such case, the demand will be charged as described below.

Energy Charge per kWh of Supplemental Generation Energy Used. Energy actually used under this Rider during normal time periods will be charged at the same energy and fuel cost charges as contained in the base tariff to which this Rider is attached. However, if energy is used during one of the Company's energy controlled or peak controlled interrupt periods, the energy will be charged as described below.

(Continued on Sheet No. 5-109)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SUPPLEMENTAL GENERATION SERVICE RIDER

Section No. 5
11th Revised Sheet No. 108

AVAILABILITY

Applicability of Supplemental Service is similar to that of Standby Service Rider, where customers with an alternative generation source greater than 60 kW, which serves all or a portion of the customer's electric energy requirements and where customer chooses to use the Company's electric service when the alternative generation is either partly or wholly unavailable.

Specifically, Supplemental Service is targeted at applications where the output of the alternative generation is designed primarily to meet the customer's thermal-load requirements and as such, the generator's electric energy output is variable because it is dependent on the customer's thermal requirements.

The normal expectation of this Rider is that the customer will contract for a firm portion of their backup supply from the Company under the Standby Service Rider and will contract for the variable portion under this Supplemental Generation Service Rider. Each customer request for service under this Rider will be evaluated on a customer specific basis to determine eligibility.

Under this service, the Company will provide Supplemental Generation Service in accordance with the provisions of the General Rules and Regulations, Section 2.4.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

RESERVATION RATES

Customer Charge per Month	\$25.64	
Demand Charge per Month per kW of Contracted Supplemental Service		
Secondary Voltage Service	\$3.47	R
Primary Voltage Service	\$2.67	R
Transmission Transformed Voltage Service	\$1.92	R
Transmission Voltage Service	\$1.12	R

USAGE RATES

Demand Charge per Month per kW of Supplemental Generation Capacity Used. There will be no Usage Rate demand charge for Supplemental capacity actually used under this Rider except if that capacity is used during one of the Company's energy controlled or peak controlled interrupt periods. In such case, the demand will be charged as described below.

Energy Charge per kWh of Supplemental Generation Energy Used. Energy actually used under this Rider during normal time periods will be charged at the same energy and fuel cost charges as contained in the base tariff to which this Rider is attached. However, if energy is used during one of the Company's energy controlled or peak controlled interrupt periods, the energy will be charged as described below.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

SUPPLEMENTAL GENERATION SERVICE RIDER

Section No. 5
10th Revised Sheet No. 108

AVAILABILITY

Applicability of Supplemental Service is similar to that of Standby Service Rider, where customers with an alternative generation source greater than 60 kW, which serves all or a portion of the customer's electric energy requirements and where customer chooses to use the Company's electric service when the alternative generation is either partly or wholly unavailable.

Specifically, Supplemental Service is targeted at applications where the output of the alternative generation is designed primarily to meet the customer's thermal-load requirements and as such, the generator's electric energy output is variable because it is dependent on the customer's thermal requirements.

The normal expectation of this Rider is that the customer will contract for a firm portion of their backup supply from the Company under the Standby Service Rider and will contract for the variable portion under this Supplemental Generation Service Rider. Each customer request for service under this Rider will be evaluated on a customer specific basis to determine eligibility.

Under this service, the Company will provide Supplemental Generation Service in accordance with the provisions of the General Rules and Regulations, Section 2.4.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

RESERVATION RATES

Customer Charge per Month	\$25.64	R
Demand Charge per Month per kW of Contracted Supplemental Service		
Secondary Voltage Service	\$3.44	R
Primary Voltage Service	\$2.64	R
Transmission Transformed Voltage Service	\$1.89	R
Transmission Voltage Service	\$1.09	R

USAGE RATES

Demand Charge per Month per kW of Supplemental Generation Capacity Used. There will be no Usage Rate demand charge for Supplemental capacity actually used under this Rider except if that capacity is used during one of the Company's energy controlled or peak controlled interrupt periods. In such case, the demand will be charged as described below.

Energy Charge per kWh of Supplemental Generation Energy Used. Energy actually used under this Rider during normal time periods will be charged at the same energy and fuel cost charges as contained in the base tariff to which this Rider is attached. However, if energy is used during one of the Company's energy controlled or peak controlled interrupt periods, the energy will be charged as described below.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SUPPLEMENTAL GENERATION SERVICE RIDER
(Continued)**

Section No. 5
15th Revised Sheet No. 109

FUEL CLAUSE

Bills are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

Bills are subject to the adjustments provided for in the Conservation Improvement Program Adjustment Rider, the State Energy Policy Rate Rider, and the Renewable Development Fund Rider, the Transmission Cost Recovery Rider, the Renewable Energy Standard Rider and the Mercury Cost Recovery Rider.

ENVIRONMENTAL IMPROVEMENT RIDER

Bills are subject to the adjustments provided for in the Environmental Improvement Rider.

SURCHARGE

In certain communities, bills are subject to surcharges provided for in a Surcharge Rider.

LOW INCOME ENERGY DISCOUNT RIDER

Bills are subject to the adjustment provided for in the Low Income Energy Discount Rider.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

LATE PAYMENT CHARGE

Any unpaid balance over \$10.00 is subject to a 1.5% late payment charge or \$1.00, whichever is greater, after the date due. The charge may be assessed as provided for in the General Rules and Regulations, Section 3.5.

DETERMINATION OF SUPPLEMENTAL GENERATION DEMAND

The billing demand applicable to this Supplemental Generation Service Rider is determined separately from the billing demand applicable to the base tariff to which this Rider is attached. The billing demand for this Rider will be the quantity specified in the customer's Electric Service Agreement which is the maximum capacity of Supplemental Generation Service the Company is obligated to supply. The demand applicable to this Rider may be a different amount specified for each month where it is dependent on the variable thermal load requirements.

The amount of Supplemental Service capacity actually used by the customer, when customer's generator is wholly or partly out of service, will have no effect on the billing demand under the base tariff and will be subtracted from the total metered demand, to determine the demand for standard service, to which the base tariff demand charge applies. The amount of Supplemental Service capacity actually used, is the amount of the Supplemental Service capacity contracted for, less the actual capacity supplied by the customer's generating facilities (assuming it is operating, but not at full capacity) but not less than zero. For applying the Usage Rate, as referenced in Section 10 below of this Rider, the Supplemental Generation Demand will be the maximum actual demand (as adjusted for power factor) that is supplied by the Company to serve that portion of the customer's load, up to the contracted Supplemental Generation Capacity, not served by the customer's alternative source of electric energy supply.

(Continued on Sheet No. 5-110)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SUPPLEMENTAL GENERATION SERVICE RIDER
(Continued)**

Section No. 5
8th Revised Sheet No. 110

DETERMINATION OF SUPPLEMENTAL GENERATION ENERGY

Supplemental Generation Energy shall be that portion of the customer's total energy requirements provided by the Company to supplement the customer's generation. Supplemental Generation Energy shall be calculated hourly, and shall be Supplemental Generation Capacity for which the customer has contracted, less generation output above the contracted Standby capacity (as defined in the Standby Service Rider), but not less than zero.

TERMS AND CONDITIONS OF SERVICE

1. This Supplemental Generation Service Rider is applicable to any customer who requires greater than 60 kW of backup capacity from the Company. Supplemental Generation Service may not be used by a customer to serve controllable demand that is subject to interruption as determined by the Company under the Company's controllable service schedules.

The Company and customer will develop and attach to the Electric Service Agreement, a load control procedure for the customer that specifies the customer's demand side load reductions or alternative generation capacity the customer intends to use to avoid Supplemental Generation Demand Usage Rate charges. This attachment will specifically state that when customer has been notified that an energy control or peak control period has been initiated, the customer must reduce the load served by Company by an amount equal to the difference between actual generator output and contracted Supplemental Generation Capacity. Additionally, the customer's demand served under the base tariff to which this rider is attached, shall not increase during any energy control or peak control period. If customer fails at either of these requirements, customer will incur Supplemental Generation usage charges as defined in Section 10 below.

2. Customer will execute an Electric Service Agreement with the Company which will specify:
 - a. Type of Standby Service elected by the customer under the Standby Service Rider and the base tariff to which the Standby and Supplement Service Riders are attached,
 - b. The individual and total capacity requirements for which Company will be providing Standby and Supplemental Generation Service and to which the respective Rider charges apply, and
 - c. The expected initial level of firm service the customer will take under their base tariff, even if that expected level is zero, as well as any expected changes in load over the term of the agreement.

(Continued on Sheet No. 5-111)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SUPPLEMENTAL GENERATION SERVICE RIDER
(Continued)**

Section No. 5
7th Revised Sheet No. 111

TERMS AND CONDITIONS OF SERVICE (Continued)

3. The Company's standard service meter will be detented to measure only the amount of capacity and energy provided by the Company to the customer.
4. Company will not be obligated to supply Supplemental Generation Service to backup a customer's generator at a level in excess of the Supplemental Generation Capacity for which customer has contracted. This restriction in no way limits the amount of standard service the customer requires from the Company under the base tariff to which this Rider is attached. Any limits on standard service are governed by the provisions contained in the standard service tariffs.
5. Customer will be liable for all damages allowed by law to the extent caused by customer's use of Supplemental power in excess of contracted Supplemental Generation Capacity.
6. Company will require customer to revise the Electric Service Agreement to contract for additional Supplemental Generation Capacity if the customer exceeds the contract amounts in any three of the preceding 12 months.
7. Customer will annually furnish documentation to Company confirming the maximum capacity and reliability of the power source for which customer requires Supplemental Generation Service. Company and customer will review actual output and performance of the power source relative to the capacity nominated for Supplemental Generation Service in the Electric Service Agreement. If this review shows a significant and consistent shortfall between the power source's actual performance and the nominated capacity due to factors reasonably within customer's control, Company will notify customer of its intent to refuse to provide Supplemental Generation Service. Upon receipt of such notice, customer may agree to reduce the Supplemental Generation Service nomination in its Electric Service Agreement or to take such action as necessary to operate the power source at or reasonably near the nominated Supplemental Generation Service Capacity. If customer's power source does not operate at or reasonably near that level during the 12 months immediately following Company's notice, Company may refuse to provide Supplemental Generation Service until such time as customer agrees to reduce its Supplemental Generation Service nomination or provide Company with documentation demonstrating the power source's actual performance at or reasonably near the nominated Supplemental Generation Service for a trial period of three consecutive months.
8. Customer will remain on Supplemental Generation Service for a period of not less than 12 months.

(Continued on Sheet No. 5-112)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SUPPLEMENTAL GENERATION SERVICE RIDER
(Continued)**

Section No. 5
8th Revised Sheet No. 112

TERMS AND CONDITIONS OF SERVICE (Continued)

9. Customer will be allowed to take Supplemental Generation Energy from the Company at any time, up to the maximum contracted level of Supplemental Generation Demand, without incurring any usage demand charges except during the periods listed below.
10. In the event customer requires Supplemental Generation Service during one of the Company's energy control periods, customer will pay for the Supplemental Generation Energy used during the energy control period at the applicable control period energy rate as listed in Company's Energy Controlled Service tariff.

In the event customer requires Supplemental Generation Service during one of the Company's peak control periods, as defined in the Rules for Application of Peak Controlled Services, customer will pay for the Supplemental Generation Energy used during the peak control period at twice the applicable control period energy rate as listed in Company's Energy Controlled Service tariff plus a fee of \$10.00 per kW of maximum Supplemental Generation Capacity used during the peak control period.

However, if this use occurs at the times of Company's system peak hours in which the Company would have insufficient Accredited Capacity under the Midwest Reliability Organization (MRO) or any successor organization, and the Company incurs additional capacity costs as a result of such Supplemental Generation Service used by customer, customer shall pay Peak Demand Charges for the month in which such Supplemental Generation Service use occurs and for each of the five succeeding months, instead of the above listed demand charges and/or Reservation Fees. Such Peak Demand Charges shall be based upon the following:

- a. If customer has notified Company of the need to use Supplemental Generation Service at least three hours prior to Company's system peak hour, such Supplemental Generation Peak Demand charges shall be based on one-sixth of any additional capacity costs incurred by the Company as a result of using Supplemental Generation Service. Such additional capacity costs shall not include any after-the-fact capacity purchase costs incurred by the Company.
- b. If customer has not notified the Company of any need for Supplemental Generation Service at least three hours prior to the Company's system peak hour, such Supplemental Generation Peak Demand charges shall be based on one-sixth of any additional capacity costs or after-the-fact purchase costs incurred by the Company as a result of using Supplemental Generation Service. The demand for billing purposes for the succeeding five months shall be equal to the Supplemental Generation Demand placed on the system during the time of the Company's system peak hour.

(Continued on Sheet No. 5-113)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SUPPLEMENTAL GENERATION SERVICE RIDER
(Continued)**

Section No. 5
8th Revised Sheet No. 113

TERMS AND CONDITIONS OF SERVICE (Continued)

The potential capacity charge provisions of this Section 10 shall not apply if appropriate capacity accreditation has been obtained for the customer's generation from the Midwest Reliability Organization (MRO), or any successor organization. Customer must take responsibility for the preparation of the information necessary for the accreditation filing. The Company can advise and assist the Customer in this process but failure of customer in the preparation of the information and/or failure to obtain accreditation of the customer's generation will result in the customer being ineligible for the exemption from the capacity charge provisions of this Section 10.

11. In the event any portion of the capacity obtained by the Company at additional costs and which is attributable to the customer's use of Supplemental Service under Section 10 above, is subsequently also used to satisfy the requirements of the Company's other customers, the peak demand charges under Section 10 above shall be reduced relative to the portion of said capacity used to serve the other customers.
12. The Company shall provide notice to the Supplemental Generation Service customers when energy control or peak control conditions are expected to occur through the same means that the Company notifies interruptible customers of the potential interruption.
13. Company will install and charge customer for the additional metering necessary, as determined by the Company, to allow for determination of the separate billing demands applicable to the base tariff, Standby Service Rider and Supplemental Generation Service Rider demands. In particular, the Company will install a separate meter that measures the flow of power and energy from the customer's own generating facility. Customer shall reimburse the Company for the costs of installing, operating, and maintaining the required additional metering and for any other facilities required to serve the customer's Supplemental Generation load. If, as a result of the customer's construction and installation of their generating facility, it is more practical for the customer to install some or all of the metering equipment required, customer may be permitted to do so subject to Company's approval of such equipment.

(Continued on Sheet No. 5-114)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**SUPPLEMENTAL GENERATION SERVICE RIDER
(Continued)**

Section No. 5
7th Revised Sheet No. 114

ADDITIONAL TERMS AND CONDITIONS ASSOCIATED WITH SCHEDULING MAINTENANCE

1. Supplemental Generation Service customers shall schedule maintenance of their power source during qualifying scheduled maintenance periods.
2. Qualifying Scheduled Maintenance Periods

Customers With Greater than 60 kW up to 10,000 kW of Contracted Standby and Supplemental Generation Capacity. Maintenance must occur within the calendar months of April, May, October, and November. Customer must provide Company with written notice of scheduled maintenance prior to the beginning of the maintenance period.

Customers With Greater Than 10,000 kW of Contracted Standby and Supplemental Generation Capacity. Maintenance must occur at a time period mutually agreed to by Company and customer. These time periods will normally not include those times when Company expects system seasonal peak load conditions to occur, nor at those times when Company is required to use generation equipment or to purchase power that results in production costs of \$70 or more per MWh. Customer shall provide an annual projection of scheduled maintenance to the Company. Customer shall be allowed changes or additions to this projection upon notice to the Company based on the following schedule:

<u>Outage Length</u>	<u>Required Notice</u>
Less than 48 hours	24 hours
2 days to 30 days	7 days
Over 30 days	90 days

3. The duration of qualifying scheduled maintenance periods may not exceed a total of six weeks in any 12 month period.
4. An additional charge shall apply if customer does not comply with all terms and conditions for qualifying scheduled maintenance periods. The additional charge shall be determined by calculating the additional charges which would have applied if customer were billed on the Unscheduled Maintenance Option for the period extending back to the customer's last scheduled maintenance period.
5. The demand charges of the base tariffs of General Service or General Time of Day Service shall not apply to use of Supplemental Service during qualifying scheduled maintenance periods.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**TIER 1 ENERGY CONTROLLED SERVICE RIDER
RATE CODE A27**

Section No. 5
13th Revised Sheet No. 115

AVAILABILITY

Availability is restricted to customers who are taking service on the Tier 1 option of the Peak Controlled Time of Day Service.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

RATE

The rates and provisions of Tier 1 of the Peak Controlled Time of Day Service schedule shall apply except that the on peak and off peak energy charges for secondary voltage are replaced as follows:

Energy Charge per kWh		
Firm On Peak Period Energy	\$0.04855	R
Firm Off Peak Period Energy	\$0.02341	R
Controllable On Peak Period Energy	\$0.04647	R
Controllable Off Peak Period Energy	\$0.02280	R
Control Period Energy	\$0.09000	R

TERMS AND CONDITIONS OF SERVICE

1. Failure to Control Charge: Except as provided for under Control Period Energy Service described below, the following charges will apply in any month customer fails to control load to Predetermined Demand Level or fails to control the full amount of their fixed Controllable Demand under the Optional PDL:
 - a. An additional charge of \$10.00 per kW will apply during each Company specified control period to the amount by which customer's Maximum Adjusted Demand exceeds their Predetermined Demand Level, and
 - b. The Control Period Energy charge will apply to the energy used during the control period that is associated with the customer's Controllable Demand.

After three such customer failures to control load to their Predetermined Demand Level, Company reserves the right to increase the Predetermined Demand Level or remove customer from Tier 1 Energy Controlled Service Rider and apply the cancellation charge specified in customer's Electric Service Agreement.

(Continued on Sheet No. 5-116)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**TIER 1 ENERGY CONTROLLED SERVICE RIDER
RATE CODE A27**

Section No. 5
12th Revised Sheet No. 115

AVAILABILITY

Availability is restricted to customers who are taking service on the Tier 1 option of the Peak Controlled Time of Day Service.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

RATE

The rates and provisions of Tier 1 of the Peak Controlled Time of Day Service schedule shall apply except that the on peak and off peak energy charges for secondary voltage are replaced as follows:

Energy Charge per kWh

Firm On Peak Period Energy	\$0.05098	R
Firm Off Peak Period Energy	\$0.02458	R
Controllable On Peak Period Energy	\$0.04878	R
Controllable Off Peak Period Energy	\$0.02393	R
Control Period Energy	\$0.09000	R

TERMS AND CONDITIONS OF SERVICE

1. Failure to Control Charge: Except as provided for under Control Period Energy Service described below, the following charges will apply in any month customer fails to control load to Predetermined Demand Level or fails to control the full amount of their fixed Controllable Demand under the Optional PDL:
 - a. An additional charge of \$10.00 per kW will apply during each Company specified control period to the amount by which customer's Maximum Adjusted Demand exceeds their Predetermined Demand Level, and
 - b. The Control Period Energy charge will apply to the energy used during the control period that is associated with the customer's Controllable Demand.

After three such customer failures to control load to their Predetermined Demand Level, Company reserves the right to increase the Predetermined Demand Level or remove customer from Tier 1 Energy Controlled Service Rider and apply the cancellation charge specified in customer's Electric Service Agreement.

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**TIER 1 ENERGY CONTROLLED SERVICE RIDER
RATE CODE A27**

Section No. 5
11th Revised Sheet No. 115

AVAILABILITY

Availability is restricted to customers who are taking service on the Tier 1 option of the Peak Controlled Time of Day Service.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

RATE

The rates and provisions of Tier 1 of the Peak Controlled Time of Day Service schedule shall apply except that the on peak and off peak energy charges for secondary voltage are replaced as follows:

Energy Charge per kWh		
Firm On Peak Period Energy	\$0.04986	R
Firm Off Peak Period Energy	\$0.02404	R
Controllable On Peak Period Energy	\$0.04767	R
Controllable Off Peak Period Energy	\$0.02340	R
Control Period Energy	\$0.09000	

TERMS AND CONDITIONS OF SERVICE

1. Failure to Control Charge: Except as provided for under Control Period Energy Service described below, the following charges will apply in any month customer fails to control load to Predetermined Demand Level or fails to control the full amount of their fixed Controllable Demand under the Optional PDL:
 - a. An additional charge of \$10.00 per kW will apply during each Company specified control period to the amount by which customer's Maximum Adjusted Demand exceeds their Predetermined Demand Level, and
 - b. The Control Period Energy charge will apply to the energy used during the control period that is associated with the customer's Controllable Demand.

After three such customer failures to control load to their Predetermined Demand Level, Company reserves the right to increase the Predetermined Demand Level or remove customer from Tier 1 Energy Controlled Service Rider and apply the cancellation charge specified in customer's Electric Service Agreement.

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(Continued on Sheet No. 5-116)

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Northern States Power Company, a Minnesota corporation
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

TIER 1 ENERGY CONTROLLED SERVICE RIDER
(Continued)
RATE CODE A27

Section No. 5
8th Revised Sheet No. 116

TERMS AND CONDITIONS OF SERVICE (Continued)

2. The duration and frequency of interruption periods shall be at the discretion of Company. Interruption periods will normally occur at such times when:
 - a. Company is required to use generation equipment or to purchase power that results in production costs in excess of \$70 per MWH,
 - b. Company expects a reasonable possibility of system load levels surpassing the level for which NSP has sufficient accredited capacity under the Midwest Reliability Organization (MRO) or any successor organization, including reserve requirements, or
 - c. In Company's opinion, the reliability of the system is endangered.
3. Customer's Electric Service Agreement with Company will include a maximum of 300 hours of interruption per year.
4. All other provisions of Tier 1 of the Peak Controlled Time of Day Service schedule not in conflict with the Tier 1 Energy Controlled Service Rider shall apply.

CONTROL PERIOD ENERGY SERVICE

AVAILABILITY

Available to Tier 1 Energy Controlled Service Rider customers for supply of Controllable Demand related energy during control periods. The Control Period Energy charge will apply when the Company is required to use generation equipment or to purchase power that results in production costs in excess of \$70 per MWh. Control Period Energy Service will not be available when Company expects system peak load conditions or during system emergencies.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

RATE

The control period energy charge will apply to all Controllable Demand related energy used during the control period.

TERMS AND CONDITIONS OF SERVICE

1. Control Period Energy Service will be available provided such service will not adversely affect firm service to any customer.
2. Company reserves the right to refuse or control the supply of Control Period Energy Service if its capacity is not adequate to furnish such service.

(Continued on Sheet No. 116.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**TIER 1 ENERGY CONTROLLED SERVICE RIDER
(Continued)
RATE CODE A27**

Section No. 5
5th Revised Sheet No. 116.1

TERMS AND CONDITIONS OF SERVICE (Continued)

- 3. All other provisions of the Tier 1 Energy Controlled Service Rider not in conflict with Control Period Energy Service shall apply.
- 4. Company notice of commencement of control period will include notice of availability of Control Period Energy Service.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**REVENUE DECOUPLING MECHANISM RIDER
PILOT PROGRAM**

Section No. 5
5th Revised Sheet No. 117

APPLICABILITY

Applicable to bills for electric service provided under the Company's Residential and non-demand-metered Small General Service schedules, excluding lighting services.

RIDER

For customers subject to this rider, there shall be included on each customer's monthly bill a Revenue Decoupling Mechanism Rider (RDM Rider) which shall be the applicable Revenue Decoupling Mechanism Rider factor multiplied by the customer's monthly kWh electric consumption.

DETERMINATION OF RDM RIDER FACTORS

Annual RDM Rider Factor

Each year during the term of this rider the Company will calculate an RDM Rider factor for each applicable class. These factors will be based on revenues billed through December 31 and applied to bills from April 1 through the March 31 of the following year. The RDM Rider factors are:

Residential without Space Heating (A01, A02, A03, A04, A05, A06)	\$0.001625 per kWh credit	R
Residential with Space Heating (A00, A01, A02, A03, A04, A05, A06)	\$0.001056 per kWh credit	R
Small General Service (non-demand) (A05, A06, A09, A10, A11, A12, A16, A18, A22)	\$0.000213 per kWh credit	R

The calculation for the RDM Rider factor is:

$$\text{Annual RDM Rider factor} = \text{RDM Rider Deferral} / \text{Forecasted Sales}$$

For purposes of this section the following definitions apply:

RDM Rider Deferral Annual RDM Rider Deferral = the sum of the 12 monthly RDM Rider Deferrals plus any under- or over-recovery of the previous Annual RDM Rider Deferral as described in item 3 of the RDM Rider Deferral Account on tariff sheet 5-118.

Forecasted Sales Forecasted Usage = forecasted use in kWh for the timeframe the RDM Rider factor to be in place.

The Annual RDM Rider factor to collect under-recovered revenues shall be capped at +3% of the total customer group base revenue for each of the rate classes, unless the Company is granted approval from the Minnesota Public Utilities Commission (Commission) to recover revenues in excess of the 3% cap. The RDM Rider factor to return over-recovered revenues shall not be capped.

(Continued on Sheet No. 5-118)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**REVENUE DECOUPLING MECHANISM RIDER
PILOT PROGRAM**

Section No. 5
4th Revised Sheet No. 117

APPLICABILITY

Applicable to bills for electric service provided under the Company's Residential and non-demand-metered Small General Service schedules, excluding lighting services.

RIDER

For customers subject to this rider, there shall be included on each customer's monthly bill a Revenue Decoupling Mechanism Rider (RDM Rider) which shall be the applicable Revenue Decoupling Mechanism Rider factor multiplied by the customer's monthly kWh electric consumption.

DETERMINATION OF RDM RIDER FACTORS

Annual RDM Rider Factor

Each year during the term of this rider the Company will calculate an RDM Rider factor for each applicable class. These factors will be based on revenues billed through December 31 and applied to bills from April 1 through the March 31 of the following year. The RDM Rider factors are:

Residential without Space Heating (A01, A02, A03, A04, A05, A06)	\$0.003064 per kWh surcharge	R
Residential with Space Heating (A00, A01, A02, A03, A04, A05, A06)	\$0.002361 per kWh surcharge	R
Small General Service (non-demand) (A05, A06, A09, A10, A11, A12, A16, A18, A22)	\$0.001245 per kWh surcharge	R

The calculation for the RDM Rider factor is:

$$\text{Annual RDM Rider factor} = \text{RDM Rider Deferral} / \text{Forecasted Sales}$$

For purposes of this section the following definitions apply:

RDM Rider Deferral Annual RDM Rider Deferral = the sum of the 12 monthly RDM Rider Deferrals plus any under- or over-recovery of the previous Annual RDM Rider Deferral as described in item 3 of the RDM Rider Deferral Account on tariff sheet 5-118.

Forecasted Sales Forecasted Usage = forecasted use in kWh for the timeframe the RDM Rider factor to be in place.

The Annual RDM Rider factor to collect under-recovered revenues shall be capped at +3% of the total customer group base revenue for each of the rate classes, unless the Company is granted approval from the Minnesota Public Utilities Commission (Commission) to recover revenues in excess of the 3% cap. The RDM Rider factor to return over-recovered revenues shall not be capped.

(Continued on Sheet No. 5-118)

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

**REVENUE DECOUPLING MECHANISM RIDER (Continued)
PILOT PROGRAM**

Section No. 5
3rd Revised Sheet No. 118

DETERMINATION OF RDM RIDER FACTORS (Continued)

RDM Rider Deferral Account

- Each month the Company will calculate the Monthly RDM Rider Deferral, which will be entered in the RDM Rider Deferral Account. Separate deferrals will be calculated for Residential Standard, Residential with Electric Space Heating, and non-demand-metered Small General services.

$$\text{Monthly RDM Rider Deferral} = (\text{FRC} \times \text{C}) - (\text{FEC} \times \text{Sales})$$

For purposes of this section, the following definitions apply:

FRC Fixed Revenue per Customer = Energy charge revenues divided by customer count, calculated monthly from test year data. Expressed in dollars per customer

C Customer Count = Actual customer count for deferral month.

FEC Fixed Energy Charge = Average energy charge for each month of test year. Expressed in dollars per kWh

Sales Actual Sales = Actual billed sales for deferral month. Expressed in kWh.

- The Company will defer and amortize the Monthly RDM Deferrals in Account 182.3 or 254.
- Any under- or over-recovery of the Annual RDM Rider Deferral will be included as a deferral in the RDM Rider Deferral Account and reflected in the calculation of the following year's Annual RDM Rider factor.

TERM

The Company will begin calculating Monthly RDM Rider Deferrals in the first full month after receiving a Final Order from the Commission in Docket No. E002/GR-13-868, but not before January 1, 2016.

The Company will file its proposed Annual RDM Rider factor surcharge or credit with the Commission annually on February 1, beginning on February 1, 2017. The proposed rate will become effective on April 1 each year and remain in effect for the next 12 months, or until April 1 of the following year. In the event the Company files a rate case during the pilot program, the RDM rider factors from deferrals in a test year will not be applied to bills until final rates in that proceeding have been approved by the Commission.

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

AREA DEVELOPMENT RIDER

Section No. 5
5th Revised Sheet No. 119

AVAILABILITY

Available to new or existing demand metered customers located in Area Development Zones whose proper Standard Industrial Classification (SIC) is manufacturing or wholesale trade and who qualify for other development incentives offered by local government entities. The availability of this Rider is limited to specific Area Development Zones that meet the criteria listed below as set forth by the Commission.

ZONE DESIGNATION

Area Development Zones in the seven county Twin Cities' metropolitan area (Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington Counties) must be located within one of the cities lying within the "Fully Developed Area" as classified by the Metropolitan Council in the document entitled "Metropolitan Development and Investment Framework (December 1988)" that has experienced a decline in combined employment in manufacturing and wholesale trade between 1980 and the most recent year for which data are available as published by the Minnesota Department of Economic Security. Eligible communities are Bloomington, Columbia Heights/Hilltop, Crystal, Fridley, Golden Valley, Hopkins, Minneapolis, New Brighton, Roseville, South St. Paul, St. Louis Park, and St. Paul. Area Development Zones in cities located outside the seven county Twin Cities' metropolitan area must be located in a city with a minimum population of 25,000 based on the most recent U.S. Census of Population and must be located in a county (or counties) that have experienced a decline in combined employment in manufacturing and wholesale trade between 1987 and the most recent year for which data are available as published by the Minnesota Department of Economic Security. The Area Development Zone must be an existing or proposed industrial park with a minimum size of ten acres. The maximum total number of active zones at any time is 18; the maximum number of active zones in the seven county Twin Cities' metropolitan area is 15. The maximum number of active zones in any community is three. A zone can be "decertified" and a new Area Development Zone established at any time as long as there are no more than three Area Development Zones in a community at any point in time.

RATE

The rates and provisions of the customer's regular rate schedule shall apply except monthly demand charges for customer's Qualified Billing Demand shall be reduced as follows:

<u>Years</u>	<u>Percent Reduction</u>
1 - 3	50%
4	30%
5	20%
6	0%

(Continued on Sheet No. 5-120)

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

AREA DEVELOPMENT RIDER (Continued)

Section No. 5
5th Revised Sheet No. 120

QUALIFIED BILLING DEMAND

The portion of the customer's billing demand that qualifies for reduced demand charges.

New Customers. The total billing demand of new customers shall be defined as Qualified Billing Demand.

Existing Customers. The billing demand in excess of customer's base billing demand shall be defined as qualified billing demand. The base billing demand for each month will be calculated by averaging the monthly billing demands from the two-year period immediately preceding the customer's application for this Rider.

NEW CUSTOMERS

To be considered a new customer for the purpose of this Rider, an applicant must demonstrate one of the following:

1. That business has not been conducted at the premises for at least three monthly billing periods prior to application,
2. That the predecessor customer is in bankruptcy and the applicant has obtained the business in a liquidation of assets sale,
3. Customer's activities are largely or entirely different in nature from that of the previous customer, or
4. If the activities are not so different, that the owner(s), operator(s), or manager(s) are substantially different.

EXISTING CUSTOMERS

Existing customers who materially increase their use of electric service may qualify for service under this Rider, provided such material increase is the result of the addition of equipment, or expansion of the customer's facility or operations. The customer shall notify the Company in writing and document the basis for the material increase in its use of electric service. Following such notification, the Company will review the customer's monthly billing demands. If the billing demands for each of the next three consecutive months exceed that from the comparable monthly period of the preceding year by at least 25%, the customer will be eligible thereafter to receive service under this Rider.

RIGHT TO REFUSE SERVICE

The Company reserves the right to refuse applicants for service under this Rider if it determines that significant additional capital expenditures will be required to provide service to that applicant. In such cases, an applicant may be able to qualify for service by making a non-refundable contribution to compensate for the significant additional capital costs incurred by the Company to supply service to the applicant.

(Continued on Sheet No. 5-121)

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

AREA DEVELOPMENT RIDER (Continued)

Section No. 5
5th Revised Sheet No. 121

ENERGY EFFICIENCY

For service taken on this Rider, the Company will conduct an energy audit and inform the customer of the conservation programs available from the Company.

ELECTRIC SERVICE AGREEMENT

Any customer taking service under this Area Development Rider shall execute an Electric Service Agreement, or amend their existing Electric Service Agreement, with the Company for a period of six years beginning on the effective date on which the customer commences taking service under this Rider; however, customers who began service under the Pilot Area Development Rider before June 28, 1995, with Electric Service Agreement terms of five years, will not be required to amend or modify those agreements. Such Electric Service Agreements (new or amended) shall state the increased or new load level of the customer as well as the customer's obligation to continue to purchase all of their electric power and electric energy from the Company during the term of the agreement.

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

COMPETITIVE RESPONSE RIDER

Section No. 5
5th Revised Sheet No. 122

AVAILABILITY

Available at Company's discretion to demand-metered commercial and industrial customers that are subject to effective competition.

Effective competition exists if a customer is located in Company's service territory and has the ability to obtain its energy requirements from an energy supplier not rate regulated by the Minnesota Public Utilities Commission.

RATE

Standard service rates and provisions, including controllable service provisions, apply except the level of the demand charges, energy charges, or both may be reduced for each customer as described below.

TERMS AND CONDITIONS OF SERVICE

1. Customer must provide Company with information that documents that service to the customer is subject to effective competition. The Company will treat information provided by the customer to the Company concerning load or effective competition that meets the definition of trade secret information under the Minnesota Government Data Practices Act ("Act") as trade secret information and, if provided to the Commission or other state agency, will request that the Commission or any other state agency treat the information as trade secret under the Act..
2. Minimum load served under this Rider is 2 MW. Any rate offered under this Rider shall not be available for any month in which the load served under this Rider falls below 2 MW.
3. Customer must execute an Electric Service Agreement with Company, or amend its existing Electric Service Agreement with the Company, to include:
 - a. The rate under this Rider, which:
 - i) must recover at least the incremental cost of providing service, including the cost of incremental capacity that is to be added while the rate is in effect and any applicable on peak or off peak differential;
 - ii) must not exceed the difference between the standard tariff and the cost to the customer of the lowest cost competitive energy supply; and
 - iii) includes an annual minimum charge to fully recover distribution costs.

(Continued on Sheet No. 5-123)

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

COMPETITIVE RESPONSE RIDER (Continued)

Section No. 5
6th Revised Sheet No. 123

TERMS AND CONDITIONS OF SERVICE

3. Customer must execute an Electric Service Agreement with Company, or amend its existing Electric (Continued)
 - b. The term of service under this Rider, which must be no less than one year and no longer than seven years, beginning on the date the customer begins taking service under this rider,
 - c. The size of the load served under this Rider,
 - d. Verification that customer has been fully informed of the availability of energy audits. If no energy audit is performed for customer, an explanation of why an energy audit was not necessary will be included.
 - e. Establishing the effective date of the rate, which must be at least 60 days after the date upon which the Company files its petition for Commission approval of the Electric Service Agreement,
 - f. If the Customer requests that the rate be implemented on an interim rate basis, a statement that the rate will be treated as an interim rate as of the effective date and until Commission approval, modification or disapproval is received. If a modified rate is approved and accepted by the customer and Company, or if the rate is disapproved, the Company will recover the difference between the interim rate and the approved rate (modified or base) from the customer, and
 - g. Requirements for a bond or other security acceptable to the Company to provide full recovery of any portion of any interim rate discount disallowed by the Commission.
4. For existing customers receiving a discount, the Company, within a general rate case, is allowed to seek recovery of the difference between the applicable commercial and industrial tariff and this Rider times the usage level during the test year period.
5. A rate under this Rider shall meet the conditions of Minnesota Statutes, Section 216B.03, Reasonable Rate, for other customers in this same customer class.
6. Unless the Commission determines that it would be in the public interest, a rate under this Rider shall not compete with district heating or cooling provided by a district heating utility defined by Minnesota Statutes, Section 216B.166, Subdivision 2, Paragraph (c).
7. A rate offered under this Rider may not be offered to a customer in which the Company has a financial interest greater than 50%.

(Continued on Sheet No. 5-124)

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

COMPETITIVE RESPONSE RIDER (Continued)

Section No. 5
6th Revised Sheet No. 124

REGULATORY REVIEW

If the Customer requests that the rate be implemented on an interim rate basis, the rate offered under this Rider will be effective on an interim basis after filing by Company of the proposed rate with the Commission and upon the date specified in the Electric Service Agreement. If the Commission does not approve the rate, Company may seek to recover the difference in revenues between the interim competitive rate and the modified rate or the standard tariff rate, as applicable, from the customer who was offered the competitive rate.

The Commission has the authority to approve, modify, or reject a rate under this Rider. If the Commission approves the rate, it is effective as agreed to by the Company and customer. If the rate is modified by the Commission, the Commission shall issue an order modifying the rate subject to the approval of the Company and the customer. Each party has ten days in which to reject the proposed modification. If no party rejects the proposed modifications, the Commission's order becomes final. If either party rejects the Commission's proposed modifications, the Company on its behalf or on the behalf of the customer, may submit to the Commission a modified version of the Commission's proposal, which modified rate shall become an interim rate. The Commission shall accept or reject the modified version within 30 days. If the Commission rejects the rate, it shall issue an order indicating the reasons for the rejection.

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

PHOTOVOLTAIC DEMAND CREDIT RIDER
RATE CODE A85 (CLOSED)
RATE CODE A86

Section No. 5
4th Revised Sheet No. 125

AVAILABILITY – GENERAL

Applicable by customer request to demand-metered commercial and industrial customers that use Solar Photovoltaic as a customer-sited generation source with a capacity greater than 40 kW (AC) with a single production meter to serve all or a portion of customer's electric energy requirements. Not available to customer-sited generation that is the subject of another incentive program such as Solar*Rewards.

AVAILABILITY – CLOSED RATE

Availability of the closed rate is limited to qualifying customer account locations that: 1) are receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider is originally approved by the Commission, or 2) have enrolled for the Rider before the date the credit rate in this Rider is revised by the Commission. The closed rate will remain fixed for a six year period beginning with the original Commission order date approving this Rider, expiring April 20, 2024. After expiration of the closed rate, the applicable standard rate will replace the closed rate.

The standard rate will apply to customer account locations that do not qualify for the closed rate. The standard rate may be revised at any time subject to approval by the Commission.

RATE

Customer Charge per Month \$25.75

Credit per kWh of Peak Period Solar Photovoltaic Generation (A85 - Closed)	\$0.07139
Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard)	\$0.07139

CREDIT KWH LIMIT

The maximum kWh applied to the Rider credit per kWh each billing period is the Peak Period maximum 15-minute Solar Photovoltaic kW output for the billing period times 100 hours for billing periods ending in the months of June, July, August or September and 75 hours for billing periods ending in other months.

CREDIT LIMIT

The maximum credit for each billing period is the applicable standard or on-peak billed demand charge from the base tariff associated with this Rider. For Peak-Controlled Service and Peak-Controlled Time of Day Service customers, the maximum credit for each billing period is the billed demand charge for Firm Demand.

DEFINITION OF PEAK PERIOD

Peak period hours are the six hours between 1:00 p.m. and 7 p.m. for all days.

TERMS AND CONDITIONS OF SERVICE

1. Customer will execute an Electric Service Agreement with the Company that will specify:
 - a) The base tariff associated with this Rider, and
 - b) The installed capacity (AC) of customer's Solar Photovoltaic generation.
2. Company will install, own, and maintain the metering to measure the electric power and energy supplied by customer generation to allow for proper billing of the customer under this Rider. If, as a result of the customer's construction and installation of their generating facility, it is more practical for the customer to install some or all of the metering equipment required, the customer may be permitted to do so, subject to Company's approval of such equipment.
3. Company reserves the right to limit availability of this Rider to customer situations where the Solar Photovoltaic generation used by customer does not significantly affect the monthly peak demand of customer.
4. For Solar Photovoltaic generation, this Rider supersedes other Standby Service tariff provisions.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

TIER 1 PEAK CONTROLLED SHORT NOTICE RIDER

Section No. 5
11th Revised Sheet No. 126

AVAILABILITY

Availability is restricted to customers who are taking service on the Tier 1 option of Peak Controlled Service or Peak Controlled Time of Day Service. Customers choosing service under this rider shall agree to allow the Company to interrupt customer's load to a predetermined level within 10 minutes notice of a control period. Availability is restricted to customers with a minimum certified controllable load of 3,000 kW. Participation is limited to 100,000 kW of controllable demand, which may be exceeded if part of a customer's controllable load is within the participation limit, subject to Company approval.

CONTRACT

Customers must contract for this service rider through an Electric Service Agreement with Company. Contract period will normally be for 24 months.

RATE

The rates and provisions of Tier 1 of the applicable Peak Controlled Service schedule shall apply with the customer's Controllable Demand billed at the Short Notice Controllable Demand charge.

TERMS AND CONDITIONS OF SERVICE

1. Within 10-minutes of notification from the Company, customer's controllable load shall be curtailed by Company-initiated automatic control for the duration of the control period as determined by the Company.
2. Customers taking service under this rider will be required to certify their interruptible load as described below under Certification of Interruptible Load. Customer will cooperate fully with and assist in the required certification process. Failure of customer to assist in the certification process and/or failure to obtain certification of the Controllable Demand level will result in the customer being ineligible for this tariff.
3. Certification of Interruptible Load: To be eligible, the customer's interruptible load must complete an annual control test, prior to the beginning of the Company's summer peak load season. The control test must:
 - Demonstrate that the load is controlled by the Company from its control center;
 - That the load is curtailed within ten minutes of a Company declared control period.
 - The controlled load must remain off for at least four (4) hours in the first year of application and at least one (1) hour in subsequent years.
 - The timing of the control test will be coordinated with the customer but must be conducted at a time when the customer's load is at or near the level expected during actual control periods.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**TIER 1 PEAK CONTROLLED SCHEDULE L
INTERRUPTION RIDER (Continued)**

Section No. 5
10th Revised Sheet No. 127

CANCELED

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(Continued on Sheet No. 5-128)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**TIER 1 PEAK CONTROLLED SCHEDULE L
INTERRUPTION RIDER (Continued)**

Section No. 5
4th Revised Sheet No. 128

CANCELED

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

CITY REQUESTED FACILITIES SURCHARGE RIDER

Section No. 5
7th Revised Sheet No. 131

APPLICABILITY

Applicable to bills for electric service provided under the Company's retail rate schedules in a City ordering the installation of non-standard underground Distribution Facilities. The Excess Expenditure costs for these Special Facilities are to be collected from customers located within such City in accordance with the provisions in the General Rules and Regulations, Section 5.3, SPECIAL FACILITIES.

The Company will provide notice to the affected City of any miscellaneous rate filing by Company under Minn. Stat. §216.B16, Subd. 1 to establish a Special Facilities surcharge applicable to customers in such City.

RATE

In each applicable City, there shall be included in the monthly minimum billing on each customer's bill a separately itemized surcharge line item determined in accordance with this Rider entitled "City Req Fac Srchg". The City Requested Special Facilities Surcharge shall not be subject to current month billing adjustments or City surcharges and shall be subject to any applicable sales taxes.

DETERMINATION OF CITY REQUESTED FACILITIES SURCHARGE

The City Requested Special Facilities Surcharge for each applicable City project shall be calculated by determining a Class Facilities Surcharge to be applied to the Average Monthly Customers in the designated City such that the total Excess Expenditure plus carrying charges in the City Project Tracker Account are recovered over the designated Recovery Period.

Average Monthly Customers shall be the projected average number of active customers in each applicable customer classification located in the City for the designated Recovery Period.

Class Facilities Surcharge shall be the surcharge amount for each applicable customer classification determined in accordance with the Rules for Application.

City Project Tracker Account is a regulatory asset account representing the sum of the following:

- (1) The total Excess Expenditures for each Distribution Facilities undergrounding project in such City,
- (2) Monthly carrying charges on the under recovered or over recovered monthly balance in the City Project Tracker Account based on the overall rate of return from the Company's most recent electric general rate case decision,
- (3) Less the recovered project costs collected to date through the applicable City's Facilities Surcharge.

Recovery Period is the number of months the City Requested Special Facilities Surcharge shall be applied to bills for a designated City project determined in accordance with the Rules for Application.

Excess Expenditures shall be determined in accordance with the provisions in the General Rules and Regulations, Section 5.3.

(Continued on Sheet No. 5-132)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

**CITY REQUESTED FACILITIES SURCHARGE RIDER
(Continued)**

Section No. 5
6th Revised Sheet No. 132

RULES FOR APPLICATION

1. The Recovery Period shall not commence until the City Requested Facilities Surcharge to be applied to bills is at least \$0.25 per customer per month. A surcharge of \$0.25 up to and including \$1.00 per customer regardless of customer class may be applied for a Recovery Period of exactly one month (e.g., a one-time surcharge).
2. For a Recovery Period greater than one month, the Class Facilities Surcharge per month per customer in each non-residential customer class for any month in which a Residential Class Facilities Surcharge is applicable shall be as follows:
 - a. Commercial & Industrial (C&I), Street Lighting and Municipal – Non-Demand Billed: Equal to the Residential Class Facilities Surcharge.
 - b. Small C&I and Small Municipal – Demand Billed: Three times the Residential Class Facilities Surcharge.
 - c. Large C&I – Demand Billed (actual demand greater than 100 kW): Four times the Residential Class Facilities Surcharge.

However, whenever the Non-residential Class Facilities Surcharges to be billed exceed the Customer Charge applicable on a customer account, the Class Facilities Surcharge for that account shall be equal to such Customer Charge.

3. A Residential Class Facilities Surcharge of \$0.25 up to and including \$1.00 per Residential customer per month will be applied each month whenever the City Project Tracker Account balance to be collected allows for a Recovery Period of 36 months or less.
4. A Residential Class Facilities Surcharge of over \$1.00, up to and including \$5.00, per Residential customer per month will be applied each month for a Recovery Period of 36 months whenever the City Project Tracker Account balance is uncollectable at a Residential Class Facilities Surcharge level of \$1.00 or less, provided that the surcharge amount for any Residential class customer account receiving a Low Income Energy Discount shall not exceed \$1.00 per month.
5. A Residential Class Facilities Surcharge of \$5.00 per Residential customer per month for a Recovery Period of 36 months up to and including 60 months will be applied only when necessary to recover the City Project Tracker Account balance, provided a surcharge of \$5.00 may be collected pending Commission action on a Company petition or City complaint to modify the design of the rate surcharge for a specific project which cannot be recovered in 60 months.

(Continued on Sheet No. 5-133)

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MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

**CITY REQUESTED FACILITIES SURCHARGE RIDER
(Continued)**

Section No. 5
6th Revised Sheet No. 133

RULES FOR APPLICATION (Continued)

6. The Class Facilities Surcharges may be adjusted annually and in the last 6 months of the Recovery Period to more closely recover the balance remaining in the City Project Tracker Account.
7. Subject to the limits on monthly surcharge amounts set forth above, the Class Facilities Surcharges may also be increased at any time and the Recovery Period may be updated, with notice as provided in Section 5.3 of the General Rules and Regulations, in order to recover Excess Expenditures associated with additional Distribution Facilities undergrounding projects requested or ordered by City.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE AND HIGH-EFFICIENCY ENERGY
PURCHASE (WINDSOURCE PROGRAM) RIDER**

Section No. 5
7th Revised Sheet No. 134

AVAILABILITY

Available to any customer who elects to apply an adjustment to the customer's electric energy usage to contribute to the development of renewable and high-efficiency energy resources as defined by Minn. Stat. §216B.169.

In addition, customer bills under this rate are subject to the following adjustments and/or charges.

RIDER

A Voluntary Renewable Adjustment ("Adjustment") may be elected in blocks of 100 kWh or for the customer's entire monthly usage or for a single event. Each month the Adjustment will add **\$3.53** per 100 kWh block of renewable usage and will be prorated on a kWh basis based on the customer's actual metered energy usage for the billing period not to exceed their subscription level. The Adjustment shall be applied to the customer's bill under the standard retail tariff each billing month according to the number of energy block(s) or total amount purchased. The Adjustment is not subject to the Fuel Clause Rider but is subject to any other applicable adjustments and surcharges, including city surcharge or sales tax. The Voluntary Renewable Adjustment will appear on the bill as "Windsorce Program." Amounts collected pursuant to the Adjustment will be expended on a program, filed with the Commission, to develop renewable and high efficiency energy resources.

DETERMINATION OF VOLUNTARY RENEWABLE ADJUSTMENT

The Voluntary Renewable Adjustment shall be calculated by dividing the recoverable program expenses and annual tracker balance by the forecasted renewable energy for a designated recovery period. The recoverable program expenses include renewable energy purchases, marketing, other costs and true up of tracker balance for this program. The Adjustment may be revised annually with approval of the Minnesota Public Utilities Commission.

FORECASTED RENEWABLE ENERGY

Forecasted renewable energy sales shall be the estimated total Windsorce MWh sales for the designated annual tracker recovery period.

TRACKER ACCOUNT

Due to the variability of renewable resources, the Windsorce program may have an excess or shortage of supply in any given hour but will approximately balance out during the year. The Company will maintain accounting of the monthly balance of total revenues collected under the Adjustment and the expenses associated with offering this Adjustment, including the renewable energy purchases, marketing and other costs for this program. The Company may petition the Commission annually to true up the tracker balance in its November 1st report.

(Continued on Sheet No. 134.1)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE AND HIGH-EFFICIENCY ENERGY
PURCHASE (WINDSOURCE PROGRAM) RIDER (Continued)**

Section No. 5
6th Revised Sheet No. 134.1

TERMS AND CONDITIONS OF SERVICE

1. A customer may elect to subscribe either by purchasing a specified number of 100 kWh blocks or the customer's entire usage. The minimum subscription to be billed each month is one 100 kWh block. In the event a customer's metered energy usage results in the partial consumption of a 100 kWh block, the charge on that block will be prorated accordingly.
2. The minimum subscription periods are one year for residential customers and three years for non-residential customers. After the minimum period, a customer may continue to subscribe on a month to month basis and may terminate the customer's subscription with a 30-day notice.
3. The Company will submit reports to the Commission each May 1 and November 1, or as otherwise ordered in relation to the tracker accounting.
4. For customers on time of day tariffs, their Windsource usage and any excess, non-Windsource usage shall both be assigned to the on-peak and off-peak periods in proportion to the customer's total billing period on-peak and off-peak usage.
5. Xcel Energy may in its discretion allow a non-Windsource customer a limited subscription to Windsource to apply the Adjustment to the energy used by a single event or series of events without making a long-term purchase commitment.
6. The discounts under Residential Controlled Air Conditioning and Water Heating Rider and Commercial and Industrial Controlled Air Conditioning Riders are not applicable to the charges under this Rider.
7. This Rider is provided to satisfy the conditions of Minn. Stat. §216B.169, subd.2 related to renewable and high-efficiency energy rate options. The sales arrangements of renewable energy from the Windsource program supplies are such that the power supply is sold only once to retail customers.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

WAPA BILL CREDITING PROGRAM RIDER

Section No. 5
5th Revised Sheet No. 135

AVAILABILITY

This rider is available on a voluntary basis and is limited to customers who are eligible for the Western Area Power Administration ("Western" or "WAPA") Bill Crediting Program.

TERM OF SERVICE

Service under this rider shall be for a period not less than 90 days.

PRICING METHODOLOGY

The WAPA Bill Credit shall be calculated as specified in the Commission approved Bill Crediting Agreement between the customer and the Company.

BILL DETERMINATION

The WAPA Bill Credit will be applied to the customer's standard monthly bill rendered after each monthly billing period.

SPECIAL PROVISIONS

1. Eligibility for the Program, and thus this Rider, is determined by the customer and Western, and not by Xcel Energy.
2. If there is a change in the legal identity of the customer receiving service under this Rider, credit under this Rider shall be terminated unless Xcel Energy, Western and the customer determine otherwise.
3. Changes are subject to the Agreement for Bill Crediting arrangements between Xcel Energy, Western and the customer, a copy of which is contained in Section 7 of this Electric Rate Book.

RULES AND REGULATIONS

Service under this Rider is subject to orders of the Minnesota Public Utilities Commission and to the General Rules and Regulations section of this Electric Rate Book.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

MERCURY COST RECOVERY RIDER

Section No. 5
8th Revised Sheet No. 136

APPLICATION

Applicable to bills for electric service provided under the Company's retail rate schedules.

RIDER

There shall be included on each customer's monthly bill a Mercury Cost Recovery (MCR) Rider adjustment which will be the MCR Adjustment Factor multiplied by the customer's monthly billing kWh for electric service. This MCR adjustment shall be calculated before city charges and sales tax.

DETERMINATION OF MERCURY COST RECOVERY FACTOR

The MCR Adjustment Factor shall be the average retail cost per kWh. The average retail cost per kWh shall be determined by the forecasted balance of the MCR Tracker Account plus the Mercury Costs divided by the forecast retail sales for the designated period. The MCR Adjustment Factor shall be rounded to the nearest \$0.000001 per kWh.

The MCR Adjustment Factor may be adjusted with the approval of the Minnesota Public Utilities Commission (Commission). The MCR Adjustment Factor for each rate schedule is:

All Classes	\$0.000000 per kWh
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MERCURY COSTS

Recoverable mercury costs shall be the revenue requirements for the designated period including operation and maintenance (O&M) expenses associated with projects eligible for recovery under Minnesota Statute Sections 216B.68 to 216B.688 that are determined by the Commission to be eligible for recovery under this Mercury Cost Recovery Rider. A standard model will be used to calculate the total forecasted revenue requirements for eligible projects for the designated period that is determined by the Commission to be eligible for recovery under this MCR Rider.

FORECASTED RETAIL SALES

Forecasted Retail Sales shall be the estimated total retail electric sales for the designated recovery period.

MCR TRACKER ACCOUNT

For each designated true-up period, a true-up adjustment to the MCR Tracker Account will be calculated reflecting the difference between the MCR Adjustment recoveries and the actual expenditures for such period. The true-up adjustment shall be included in calculating the MCR Adjustment Factor effective with the start of the next designated recovery period.

The MCR Adjustment Factor includes a true-up of actuals as available for the previous recovery period and forecast information for the remainder of the recovery period. The Final true-up adjustment for a previous recovery period will be determined by October 1 of the following year, at which time the Company will record a Final adjustment to the MCR Tracker Account. All costs appropriately charged to the MCR Tracker Account shall be eligible for recovery through this rider.

(Continued on Sheet No. 5-136.1)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MNNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

MERCURY COST RECOVERY RIDER (Continued)

Section No. 5
7th Revised Sheet No. 136.1

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the MCR Adjustment Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENVIRONMENTAL IMPROVEMENT RIDER

Section No. 5
12th Revised Sheet No. 137

APPLICATION

Applicable to bills for electric service provided under the Company's retail rate schedules.

RIDER

There shall be included on each customer's monthly bill an Environmental Improvement Rider (EIR) adjustment. For all but demand-billed customers, the adjustment shall be the Full EIR Energy Adjustment Factor multiplied by the customer's monthly billing kWh for electric service. For demand-billed customers, the adjustment shall be the Reduced EIR Energy Adjustment Factor multiplied by the customer's monthly billing kWh for electric service, plus the EIR Demand Adjustment Factor multiplied by the customer's monthly kW billing demand. These EIR adjustments shall be calculated before city surcharge and sales tax.

DETERMINATION OF EIR ADJUSTMENT FACTORS

The Full EIR Energy Adjustment Factor shall be the quotient obtained by dividing the forecasted balance of the EIR Tracker Account by the forecasted retail sales for the calendar year. The Reduced EIR Energy Adjustment Factor shall be the Full EIR Energy Adjustment Factor multiplied by 50%. The EIR Demand Adjustment Factor shall be the difference between the Full and Reduced factors, multiplied by the class load factor of 53.27% and multiplied by 730 hours in an average month. All factors shall be rounded to the nearest \$0.000001 per kWh. The EIR Adjustment Factors may be adjusted annually with approval of the Minnesota Public Utilities Commission (Commission). The EIR Adjustment Factors shall apply to bills rendered on and after January 1st of the year.

The EIR Adjustment Factor for each customer group may be adjusted annually. Each EIR Adjustment Factor shall apply to bills rendered on and after January 1 of the year. The EIR factor for each rate schedule is:

Non-Demand Customers	\$0.000000 per kWh
Demand Customers	\$0.000000 per kWh and \$0.00 per kW

Recoverable EIR Costs shall be the annual revenue requirements associated with emissions reduction projects (a) not recovered through base rates, (b) recorded in the EIR Tracker Account for the designated period, and (c) determined by the Commission to be eligible for recovery under this Rider pursuant to the terms of the Settlement Agreement approved by the Commission on March 8, 2004. A standard model will be used to calculate the total forecasted revenue requirements for eligible projects for the designated period. All costs appropriately charged to the EIR Tracker Account shall be eligible for recovery through this Rider, and all revenues recovered from the EIR Adjustment shall be credited to the EIR Tracker Account.

Forecasted retail sales shall be the estimated retail electric sales for the designated recovery period.

(Continued on Sheet No. 5-138)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENVIRONMENTAL IMPROVEMENT RIDER (Continued)

Section No. 5
5th Revised Sheet No. 138

TRUE-UP

For each 12-month period ending December 31, a true-up adjustment to the EIR Tracker Account will be calculated reflecting the difference between the EIR Adjustment recoveries and the revenue requirements for such period. The true-up adjustment shall be calculated and recorded by no later than May 1 of the following calendar year and will be included in calculating the EIR Adjustment Factor for each customer group effective with the start of the next designated recovery period. No carrying cost shall be applied.

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the EIR Adjustment Factors applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

BUSINESS INCENTIVE AND SUSTAINABILITY RIDER

Section No. 5
2nd Revised Sheet No. 139

AVAILABILITY

Available to new or existing demand-metered commercial and industrial customers with significant new Qualified Billing Demand. Service under the Rider is limited to customers whose application for service under the Rider is approved by the Company.

RATE

The rates and provisions of the customer's regular demand-metered rate schedule shall apply except monthly demand charges for customer's Qualified Billing Demand, before the application of voltage discounts, shall be reduced as follows:

Years:	1 - 3	4	5	6
Percent Reduction:	40%	20%	10%	0%

QUALIFIED BILLING DEMAND

The portion of the customer's billing demand that qualifies for reduced demand charges. Qualified billing demand includes billing demands for standard demand, on-peak period demand, firm demand and controllable demand. Qualified billing demand does not include billing demands for off-peak period demand, distribution demand, transmission and distribution demand, contracted standby demand or contracted supplemental demand.

New Customers. This Rider is available for new load that is associated with initial permanent service. For new Customers, the Qualified Billing Demand under this Rider must be a minimum of 350 kW at a single delivery point. The demand charge reduction shall not apply during any month in which the Qualified Billing Demand is below 350 kW; provided, however, the demand charge reduction shall apply during any month in which the Qualified Billing Demand is below 350 kW as a consequence of new conservation or load control by the customer.

Existing Customers. For existing customers, Qualified Billing Demand is the new load of 350 kW or greater at a single delivery point incremental to that existing prior to approval for service under this Rider. The demand charge reduction shall not apply during any month in which the Qualified Billing Demand is below 350 kW; provided, however, the demand charge reduction shall apply during any month in which the Qualified Billing Demand is below 350 kW as a consequence of new conservation or load control by the customer.

NEW CUSTOMERS

To be considered a new customer for the purpose of this Rider, an applicant must demonstrate one of the following:

1. That business has not been conducted at the premises for at least three monthly billing periods prior to application,
2. That the predecessor customer is in bankruptcy and the applicant has obtained the business in a liquidation of assets sale; or
3. Customer's activities are largely or entirely different in nature from that of the previous customer.

(Continued on Sheet No. 5-140)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**BUSINESS INCENTIVE AND SUSTAINABILITY RIDER
(Continued)**

Section No. 5
2nd Revised Sheet No. 140

EXISTING CUSTOMERS

Existing customers who materially increase their use of electric service may qualify for service under this Rider, provided such material increase is the result of the addition of equipment, or expansion of the customer's facility or operations. The customer shall notify the Company in writing and document the basis for the material increase in its use of electric service. Following such notification, the Company will review the customer's monthly billing demands. If the billing demands for each of the next three consecutive months exceed that from the comparable monthly period of the preceding year by at least 350 kW at one delivery point, the customer will be eligible thereafter to receive service under this Rider. If a customer's activities are very similar to the customer's previous activities, then the customer is considered to be an existing customer whether or not the owner(s) operator(s), or manager(s) are substantially different.

APPLICATION

As a condition of qualifying for a discount, Customer must make an application on a Commission approved form demonstrating that it meets the Qualified Billing Demand requirement. Information related to the Qualified Billing Demand and Investment is trade secret information under the Minnesota Government Data Practices Act ("Act").

RIGHT TO REFUSE SERVICE

The Company reserves the right to refuse applicants for service under this Rider if it determines that significant additional capital expenditures will be required to provide service to that applicant. In such cases, an applicant may be able to qualify for service by making a non-refundable contribution to compensate for the significant additional capital costs incurred by the Company to supply service to the applicant.

ENERGY EFFICIENCY

For service taken on this Rider, the Company will conduct an energy audit and inform the customer of the conservation programs available from the Company. Customer will be responsible for some portion of the cost of the energy audit. Customer must also participate in the Company's Energy Assistance Design program or other energy efficiency program.

ELECTRIC SERVICE AGREEMENT

Any customer taking service under this Stimulation Rider shall execute an Electric Service Agreement, or amend their existing Electric Service Agreement, with the Company for a period of six years beginning on the effective date on which the customer commences taking service under this Rider. Such Electric Service Agreements (new or amended) shall state the increased or new load level of the customer as well as the customer's obligation to continue to purchase all of their electric power and electric energy from the Company during the term of the agreement. The effective date of service under this rider will be set forth in the Electric Service Agreement but not before three months of qualified billing demand has occurred after the application. The Electric Service Agreement entered into pursuant to this Agreement and provision of the discount is not subject to Commission Approval.

(Continued on Sheet No. 5-141)

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

BUSINESS INCENTIVE AND SUSTAINABILITY RIDER
(Continued)

Section No. 5
2nd Revised Sheet No. 141

REPORTING REQUIREMENT

No later than 30 days after the Company signs a new ESA with a customer to be served under the BIS Rider, the Company must file with the Commission a report showing the incremental revenues and the incremental costs associated with the new ESA. If no party objects to the ESA within 30 days of the filing date, the ESA is deemed to be approved. One year from the effective date of this tariff, and annually thereafter, the Company shall file a report with the Commission identifying the number of customers receiving service under this Rider and the associated incremental additional revenues received by the Company and the incremental additional costs experienced by the Company.

REVENUE RECOVERY

The Company, within a general rate case, is allowed to seek recovery of the difference between the applicable commercial and industrial tariff and this Rider times the usage level during the test year period.

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Northern States Power Company, a Minnesota corporation
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STATE ENERGY POLICY RATE RIDER

Section No. 5
15th Revised Sheet No. 142

APPLICATION

Applicable to bills for electric service provided under the Company's retail rate schedules.

RIDER

There shall be included on each customer's monthly bill a State Energy Policy Rate Rider which shall be the applicable State Energy Policy Rate Rider factor multiplied by the customer's monthly kWh electric consumption.

DETERMINATION OF STATE ENERGY POLICY RATE FACTOR

The applicable State Energy Policy Rate Rider shall be the quotient obtained by dividing the annual State Energy Policy Tracker amount by the annual forecasted kWh sales. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission.

Residential	\$0.000000 per kWh
Commercial	\$0.000000 per kWh

Recoverable State Energy Policy Rate Expense

All costs appropriately charged to the State Energy Policy Tracker account shall be eligible for recovery through this Rider, and all revenues received from the State Energy Policy adjustment portion of the Resource Adjustment shall be credited to the State Energy Policy Tracker account.

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on March 1st a 24-month forecast of the State Energy Policy Rate Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

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Northern States Power Company, a Minnesota corporation
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5
22nd Revised Sheet No. 143

APPLICATION

Applicable to bills for electric service provided under the Company’s retail rate schedules.

RIDER

There shall be included on each customer’s monthly bill a Renewable Development Fund charge that shall be the applicable Renewable Development Fund factor multiplied by the customer’s monthly kWh electric consumption.

DETERMINATION OF RENEWABLE DEVELOPMENT FUND FACTOR

The applicable Renewable Development Fund factor shall be the quotient obtained by dividing the annual Renewable Development Fund Tracker amount by the annual forecasted kWh sales. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission.

Residential	\$0.001357 per kWh
Commercial	\$0.001357 per kWh

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Recoverable Renewable Development Fund Expense

All costs appropriately charged to the Renewable Development Fund Tracker account shall be eligible for recovery through this Rider, and all revenues received from the Renewable Development Fund portion of the Resource Adjustment shall be credited to the Renewable Development Fund Tracker account.

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the Renewable Development Fund Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

EXEMPTION

For customer premises recognized by the Company as not being subject to any of the costs of satisfying the solar energy standard under Minn. Stat. § 216B.1691, subd. 2f (“SES Costs”), the SES Costs reflected in the Renewable Development Fund charge assessed to the accounts associated with these premises may be credited to these accounts, and the dollar amount of these credits shall be added as part of the annual Renewable Development Fund Tracker applicable to the time period when the credit is issued.

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5
21st Revised Sheet No. 143

APPLICATION

Applicable to bills for electric service provided under the Company’s retail rate schedules.

RIDER

There shall be included on each customer’s monthly bill a Renewable Development Fund charge that shall be the applicable Renewable Development Fund factor multiplied by the customer’s monthly kWh electric consumption.

DETERMINATION OF RENEWABLE DEVELOPMENT FUND FACTOR

The applicable Renewable Development Fund factor shall be the quotient obtained by dividing the annual Renewable Development Fund Tracker amount by the annual forecasted kWh sales. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission.

Residential	\$0.001417 per kWh
Commercial	\$0.001417 per kWh

R
R

Recoverable Renewable Development Fund Expense

All costs appropriately charged to the Renewable Development Fund Tracker account shall be eligible for recovery through this Rider, and all revenues received from the Renewable Development Fund portion of the Resource Adjustment shall be credited to the Renewable Development Fund Tracker account.

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the Renewable Development Fund Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

EXEMPTION

For customer premises recognized by the Company as not being subject to any of the costs of satisfying the solar energy standard under Minn. Stat. § 216B.1691, subd. 2f (“SES Costs”), the SES Costs reflected in the Renewable Development Fund charge assessed to the accounts associated with these premises may be credited to these accounts, and the dollar amount of these credits shall be added as part of the annual Renewable Development Fund Tracker applicable to the time period when the credit is issued.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5
20th Revised Sheet No. 143

APPLICATION

Applicable to bills for electric service provided under the Company’s retail rate schedules.

RIDER

There shall be included on each customer’s monthly bill a Renewable Development Fund charge that shall be the applicable Renewable Development Fund factor multiplied by the customer’s monthly kWh electric consumption.

DETERMINATION OF RENEWABLE DEVELOPMENT FUND FACTOR

The applicable Renewable Development Fund factor shall be the quotient obtained by dividing the annual Renewable Development Fund Tracker amount by the annual forecasted kWh sales. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission.

Residential	\$0.001318 per kWh
Commercial	\$0.001318 per kWh

R
R

Recoverable Renewable Development Fund Expense

All costs appropriately charged to the Renewable Development Fund Tracker account shall be eligible for recovery through this Rider, and all revenues received from the Renewable Development Fund portion of the Resource Adjustment shall be credited to the Renewable Development Fund Tracker account.

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the Renewable Development Fund Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

EXEMPTION

For customer premises recognized by the Company as not being subject to any of the costs of satisfying the solar energy standard under Minn. Stat. § 216B.1691, subd. 2f (“SES Costs”), the SES Costs reflected in the Renewable Development Fund charge assessed to the accounts associated with these premises may be credited to these accounts, and the dollar amount of these credits shall be added as part of the annual Renewable Development Fund Tracker applicable to the time period when the credit is issued.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5
19th Revised Sheet No. 143

APPLICATION

Applicable to bills for electric service provided under the Company's retail rate schedules.

RIDER

There shall be included on each customer's monthly bill a Renewable Development Fund charge that shall be the applicable Renewable Development Fund factor multiplied by the customer's monthly kWh electric consumption.

DETERMINATION OF RENEWABLE DEVELOPMENT FUND FACTOR

The applicable Renewable Development Fund factor shall be the quotient obtained by dividing the annual Renewable Development Fund Tracker amount by the annual forecasted kWh sales. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission.

Residential	\$0.001034 per kWh
Commercial	\$0.001034 per kWh

Recoverable Renewable Development Fund Expense

All costs appropriately charged to the Renewable Development Fund Tracker account shall be eligible for recovery through this Rider, and all revenues received from the Renewable Development Fund portion of the Resource Adjustment shall be credited to the Renewable Development Fund Tracker account.

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the Renewable Development Fund Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

EXEMPTION

For customer premises recognized by the Company as not being subject to any of the costs of satisfying the solar energy standard under Minn. Stat. § 216B.1691, subd. 2f ("SES Costs"), the SES Costs reflected in the Renewable Development Fund charge assessed to the accounts associated with these premises may be credited to these accounts, and the dollar amount of these credits shall be added as part of the annual Renewable Development Fund Tracker applicable to the time period when the credit is issued.

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			President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401
MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

TRANSMISSION COST RECOVERY RIDER

Section No. 5
13th Revised Sheet No. 144

APPLICATION

Applicable to bills for electric service provided under the Company's retail rate schedules.

RIDER

There shall be included on each customer's monthly bill a Transmission Cost Recovery (TCR) adjustment, which shall be the TCR Adjustment Factor multiplied by the customer's monthly billing energy or demand for electric service as described below. This TCR Adjustment shall be calculated before city surcharge and sales tax.

DETERMINATION OF TCR ADJUSTMENT FACTORS

A separate TCR Adjustment Factor shall be calculated for the following four customer groups: (1) Residential, (2) Commercial Non-Demand, (3) Demand Billed, and (4) Street Lighting. The TCR Adjustment Factor for each group shall be the value obtained by multiplying each group's weighting factor by the average retail cost per kWh. The average retail cost per kWh shall be determined by the forecasted balance of the TCR Tracker Account, divided by the forecasted retail sales for the calendar year. The Demand Billed customers' TCR Adjustment Factor is calculated similarly, but the resulting per kWh charge is converted to a per kW charge for application to billed kW rather than billed kWh. TCR Adjustment Factors shall be rounded to the nearest \$0.000001 per kWh or \$0.001 per kW.

The TCR Adjustment Factor for each customer group may be adjusted annually with approval of the Minnesota Public Utilities Commission (Commission). Each TCR Adjustment Factor shall apply to bills rendered subsequent to approval by the Minnesota Public Utilities Commission. The TCR factor for each rate schedule is:

Residential	\$0.003503 per kWh
Commercial (Non-Demand)	\$0.003384 per kWh
Demand Billed	\$1.017 per kW

Recoverable Transmission Costs shall be the annual revenue requirements for transmission costs associated with transmission projects eligible for recovery under Minnesota Statute Sections 216B.1645 or 216B.16, subd. 7b that are determined by the Commission to be eligible for recovery under this Transmission Cost Recovery Rider. A standard model will be used to calculate the total forecasted revenue requirements for eligible projects for the designated period. All costs appropriately charged to the Transmission Tracker Account shall be eligible for recovery through this Rider, and all revenues recovered from the TCR Adjustment shall be credited to the Transmission Tracker Account.

Forecasted retail kWh sales and kW demands shall be those for the designated recovery period.

(Continued on Sheet No. 5-145)

Date Filed:	11-02-15	By: Christopher B. Clark	Effective Date:	10-01-17
		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MNNESTOTA ELECTRIC RATE BOOK - MPUC NO. 2

**TRANSMISSION COST RECOVERY RIDER
(Continued)**

Section No. 5
5th Revised Sheet No. 145

TRUE-UP

For each 12-month period ending December 31, a true-up adjustment to the Tracker Account will be calculated reflecting the difference between the TCR Adjustment recoveries and the revenue requirements for such period. The total retail true-up adjustment shall be calculated and recorded by no later than May 1 of the following calendar year and will be included in average retail cost used to calculate the TCR Adjustment Factor for each customer group effective with the start of the next designated recovery period.

For example, the Year 1 revenue requirements versus TCR Adjustment recoveries would be determined by May 1 of Year 2, at which time the Company would record an adjustment to the Tracker Account. The difference between the Year 1 revenue requirements and Year 1 TCR Adjustment recoveries would be included in the calculation of the TCR Adjustment factors filed on September 1 of Year 2 to be effective January 1 of Year 3.

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on September 1st a 24-month forecast of the TCR Adjustment Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

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		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-15-826		Order Date:	06-12-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE ENERGY STANDARD RIDER

Section No. 5
10th Revised Sheet No. 146

APPLICATION

Applicable to bills for electric service provided under the Company's retail rate schedules.

RIDER

There shall be included on each customer's monthly bill a Renewable Energy Standard (RES) adjustment which will be the RES Adjustment Factor applied to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Lighting Rates per Luminaire and Lighting Rates per Unit
7. Siren Service Rate per Horsepower
8. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
9. Commercial and Industrial Controlled Air Conditioning Credits
10. Standby Service Rider
11. Supplemental Service Rider
12. Tier 1 Energy Controlled Service Rider
13. Tier 1 Peak Controlled Short Notice Rider
14. Area Development Rider
15. Fixed Charges for Low Wattage Unmetered Devices

The RES Adjustment Factor does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Rider
3. Off Season Load Rider
4. Revenue Decoupling Mechanism Rider
5. Competitive Response Rider
6. City Requested Facilities Surcharge Rider
7. Windsource Program Rider
8. WAPA Bill Credit Program Rider
9. Mercury Cost Recovery Rider
10. Environmental Improvement Rider
11. Business Incentive and Sustainability Rider
12. State Energy Policy Rate Rider
13. Renewable Development Fund Rider
14. Transmission Cost Recovery Rider
15. Renewable Energy Standard Rider
16. Net Energy Billing Service
17. Late Payment Charge
18. Any currently applicable Interim Rate Surcharge Rider
19. Low Income Program Surcharge
20. Low Income Discounts

This RES adjustment shall be calculated before city surcharge and sales tax.

(Continued on Sheet No. 5-147)

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE ENERGY STANDARD RIDER (Continued)

Section No. 5
12th Revised Sheet No. 147

DETERMINATION OF RES ADJUSTMENT FACTOR

The Renewable Energy Standard ("RES") Adjustment Factor shall be the RES annual forecasted revenue requirement as a percentage of "base" revenues. The RES annual forecasted revenue requirement shall be the sum of the Renewable Energy Standard Costs for the forecast period and any residual Tracker balance in the RES Tracker Account.

The RES Adjustment Factor may be adjusted with the approval of the Minnesota Public Utilities Commission (Commission). The RES Factor is:

All Classes	0.497%
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RENEWABLE ENERGY STANDARD COSTS

The RES Costs shall be the annual revenue requirements including operation and maintenance (O&M) expenses for Company owned Renewable Energy Project costs and capacity related renewable energy purchased power costs not recoverable through the FCR, that are eligible for recovery under Minnesota Statute Section 216B.1645. A standard model will be used to calculate the total forecasted revenue requirements for each annual period that is determined by the Commission to be eligible for recovery under this Renewable Energy Standard Rider.

RES TRACKER ACCOUNT

For each annual true-up period, a true-up adjustment to the RES Tracker Account (residual Tracker balance) will be calculated reflecting the difference between the RES Adjustment recoveries and the actual expenditures for such period. The true-up adjustment shall be included in calculating the RES Adjustment Factor effective with the start of the next annual recovery period.

The RES Adjustment Factor includes a true-up of actuals as available for the previous recovery period and forecast information for the remainder of the recovery period. The Final true-up adjustment for a previous recovery period will be determined by September 1 of the following year, at which time the Company will record a Final adjustment to the RES Tracker Account.

All costs appropriately charged to the RES Tracker Account shall be eligible for recovery through this rider.

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on September 1st a 24-month forecast of the RES Adjustment Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT PILOT PROGRAM
RIDER**

Section No. 5
Original Sheet No. 149

AVAILABILITY

The Voluntary Renewable*Connect™ (“R*C”) Pilot program will be available, subject to capacity made available within the program, to any customer who elects to participate in the program that would otherwise receive service under a rate schedule that is subject to the adjustments provided for in the Fuel Clause Rider.

DEFINITIONS

The following definitions apply:

“Applicable Retail Electric Usage” means the measured retail electric usage of the Customer on the account(s) during the monthly billing cycle for the Customer’s premises identified in the Service Agreement as being associated with the Customer’s subscription to the R*C Service.

“R*C Adjustment” means the product resulting from the multiplication of the R*C Price by the Subscription Level.

“R*C Price” means the price as shown in the Rate section below.

“R*C Resources” for this pilot program means portions of renewable sources applicable to the R*C Service.

“R*C Service” means the service offered under this Voluntary Renewable*Connect Pilot Program Rider.

“Service Agreement” means the tariffed service agreement associated with the R*C Service which the Customer signs.

“Subscription Level” means the Customer’s allocated share set forth in the Service Agreement, in kWh, of the energy from the R*C Resources. The Subscription Level is a blend of renewable resources.

RIDER

Customer may elect to receive R*C Service. The following types of R*C Service are available (“R*C Service Type”) in the following billing methods (“R*C Billing Method”):

<u>R*C Service Types</u>	<u>R*C Billing Methods</u>
Month-to-Month	100 kWh Blocks
5 Years	Entire Monthly Usage
10 Years	Single Event Usage
Single Event	

Each billing month the R*C Price associated with the R*C Service Type chosen by the Customer will be applied to the Subscription Level chosen by the Customer, the product of the R*C Price and Subscription Level being the R*C Adjustment. Customers receiving R*C Service shall not be subject to the Minnesota Electric Fuel Clause Rider for the portion of its Applicable Retail Electric Usage that is less than or equal to the Customer’s Subscription Level. All usage shall be subject to any other applicable adjustments and surcharges, including city surcharge or sales tax. The cost to the Customer for participating in the R*C Service will appear on the Customer’s retail electric bill.

DETERMINATION OF R*C PRICE

The R*C Price shall be calculated as follows: for the month-to-month and single event R*C Service Type, pricing will be based on the partially levelized delivered cost of the R*C Resources, adjusted for capacity credits and neutrality charges, plus recoverable program expenses. For the 5-year and 10-year R*C Service Types, pricing shall be based on the actual delivered cost of the R*C Resources, adjusted for capacity credits and neutrality charges, plus recoverable program expenses. Recoverable program expenses include renewable energy purchases, marketing, and other costs approved by the Minnesota Public Utilities Commission (“Commission”). The R*C Price for the month-to-month R*C Service Type may be revised annually with approval of the Commission.

(Continued on Sheet No. 5-150)

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President, Northern States Power Company, a Minnesota corporation
Docket No. E002/M-15-985 Order Date: 02-27-17

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT PILOT PROGRAM
RIDER (Continued)**

Section No. 5
3rd Revised Sheet No. 150

RATE

The R*C Price for the pilot phase R*C Resources of each R*C Service Type shall be as follows based on year of production, unless otherwise provided for in this tariff:

Month-To-Month R*C or Single Event R*C Service Type	
Year number	\$/kWh
2 (2018)	\$0.03577
3 (2019)	\$0.03599

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5-Year and 10-Year R*C Service Type

Year	5-Year Contract (\$/kWh)	10-Year Contract (\$/kWh)
2017	\$0.03243	\$0.03193
2018	\$0.03280	\$0.03230
2019	\$0.03317	\$0.03267
2020	\$0.03330	\$0.03280
2021	\$0.03345	\$0.03295
2022	\$0.03361	\$0.03349
2023	\$0.03429	\$0.03404
2024	\$0.03497	\$0.03460
2025	\$0.03569	\$0.03519
2026	\$0.03642	\$0.03580

NEUTRALITY CHARGE

The R*C Price includes a neutrality charge to mitigate the impact of the R*C Pilot program on non-participating customers. The standard neutrality charge is as follows:

Year number	\$/kWh
2 (2018)	\$0.00477
3 (2019)	\$0.00483

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Customers receiving service under the Company's Business Incentive and Sustainability Rider, Competitive Response Rider, Residential Electric Vehicle Service (Rate Code A08), or Residential Electric Vehicle Pilot Service (Rate Code A80, A81) shall not be subject to the neutrality charge portion of the R*C Price.

TRACKER ACCOUNT

Due to the variability of renewable resources, the Renewable*Connect program tracker account may have an excess or shortage of supply in any given hour or month. The Company will balance Renewable*Connect program usage at the end of the program year in accordance with the expected resource blend. As a result, the program may require more or less of a share of the expected program allocation. Energy produced by the R*C Resources that is not associated with any R*C Service subscription and therefore not allocated to an R*C Customer will be sold to all customers at the delivered cost through the Fuel Clause Adjustment. The Company will maintain accounting of the monthly balance of total R*C Resources production, total program usage, total revenues collected under the program and the expenses associated with offering the R*C Service, including the renewable energy purchases, marketing and other costs for this program. The Company may petition the Commission annually to true up the marketing and administrative cost tracker balance and apply the resulting true-up factors to the Month-To-Month R*C Price.

(Continued on Sheet No. 5-151)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**VOLUNTARY RENEWABLE*CONNECT PILOT PROGRAM
RIDER (Continued)**

Section No. 5
2nd Revised Sheet No. 150

RATE

The R*C Price for the pilot phase R*C Resources of each R*C Service Type shall be as follows based on year of production, unless otherwise provided for in this tariff:

Month-To-Month R*C or Single Event R*C Service Type	
Year number	\$/kWh
1 (2017)	\$0.03555
2 (2018)	\$0.03577

5-Year and 10-Year R*C Service Type

Year	5-Year Contract (\$/kWh)	10-Year Contract (\$/kWh)
2017	\$0.03243	\$0.03193
2018	\$0.03280	\$0.03230
2019	\$0.03317	\$0.03267
2020	\$0.03330	\$0.03280
2021	\$0.03345	\$0.03295
2022	\$0.03361	\$0.03349
2023	\$0.03429	\$0.03404
2024	\$0.03497	\$0.03460
2025	\$0.03569	\$0.03519
2026	\$0.03642	\$0.03580

NEUTRALITY CHARGE

The R*C Price includes a neutrality charge to mitigate the impact of the R*C Pilot program on non-participating customers. The standard neutrality charge is as follows:

Year number	\$/kWh
1 (2017)	\$0.00472
2 (2018)	\$0.00477

Customers receiving service under the Company's Business Incentive and Sustainability Rider, Competitive Response Rider, Residential Electric Vehicle Service (Rate Code A08), or Residential Electric Vehicle Pilot Service (Rate Code A80, A81) shall not be subject to the neutrality charge portion of the R*C Price.

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TRACKER ACCOUNT

Due to the variability of renewable resources, the Renewable*Connect program tracker account may have an excess or shortage of supply in any given hour or month. The Company will balance Renewable*Connect program usage at the end of the program year in accordance with the expected resource blend. As a result, the program may require more or less of a share of the expected program allocation. Energy produced by the R*C Resources that is not associated with any R*C Service subscription and therefore not allocated to an R*C Customer will be sold to all customers at the delivered cost through the Fuel Clause Adjustment. The Company will maintain accounting of the monthly balance of total R*C Resources production, total program usage, total revenues collected under the program and the expenses associated with offering the R*C Service, including the renewable energy purchases, marketing and other costs for this program. The Company may petition the Commission annually to true up the marketing and administrative cost tracker balance and apply the resulting true-up factors to the Month-To-Month R*C Price.

(Continued on Sheet No. 5-151)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401
MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT PILOT PROGRAM
RIDER (Continued)**

Section No. 5
1st Revised Sheet No. 150

RATE

The R*C Price for the pilot phase R*C Resources of each R*C Service Type shall be as follows based on year of production, unless otherwise provided for in this tariff:

Month-To-Month R*C or Single Event R*C Service Type	
Year number	\$/kWh
1 (2017)	\$0.03555
2 (2018)	\$0.03577

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5-Year and 10-Year R*C Service Type

Year	5-Year Contract (\$/kWh)	10-Year Contract (\$/kWh)
2017	\$0.03243	\$0.03193
2018	\$0.03280	\$0.03230
2019	\$0.03317	\$0.03267
2020	\$0.03330	\$0.03280
2021	\$0.03345	\$0.03295
2022	\$0.03361	\$0.03349
2023	\$0.03429	\$0.03404
2024	\$0.03497	\$0.03460
2025	\$0.03569	\$0.03519
2026	\$0.03642	\$0.03580

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NEUTRALITY CHARGE

The R*C Price includes a neutrality charge to mitigate the impact of the R*C Pilot program on non-participating customers. The standard neutrality charge is as follows:

Year number	\$/kWh
1 (2017)	\$0.00472
2 (2018)	\$0.00477

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Customers receiving service under the Company's Business Incentive and Sustainability Rider, Competitive Response Rider, or Residential Electric Vehicle Service (Rate Code A08) shall not be subject to the neutrality charge portion of the R*C Price.

TRACKER ACCOUNT

Due to the variability of renewable resources, the Renewable*Connect program tracker account may have an excess or shortage of supply in any given hour or month. The Company will balance Renewable*Connect program usage at the end of the program year in accordance with the expected resource blend. As a result, the program may require more or less of a share of the expected program allocation. Energy produced by the R*C Resources that is not associated with any R*C Service subscription and therefore not allocated to an R*C Customer will be sold to all customers at the delivered cost through the Fuel Clause Adjustment. The Company will maintain accounting of the monthly balance of total R*C Resources production, total program usage, total revenues collected under the program and the expenses associated with offering the R*C Service, including the renewable energy purchases, marketing and other costs for this program. The Company may petition the Commission annually to true up the marketing and administrative cost tracker balance and apply the resulting true-up factors to the Month-To-Month R*C Price.

(Continued on Sheet No. 5-151)

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Northern States Power Company, a Minnesota corporation
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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE* CONNECT PILOT PROGRAM
RIDER (Continued)**

Section No. 5
1st Revised Sheet No. 151

TERMS AND CONDITIONS OF SERVICE

1. Any Customer enrolling in this R*C Service shall execute the Service Agreement with the Company. The effective date of such service, and the Customer's Subscription Level, will be set forth in the Service Agreement. A Customer's ability to continue receiving this R*C Service terminates upon the termination of the Service Agreement.
2. A Customer may elect to subscribe by: (i) purchasing a specified number of 100 kWh blocks; (ii) the Customer's entire Applicable Retail Electric Usage; or (iii) the Customer's entire Retail Electric Usage for a special event; provided, however, that in no event shall the customer's total Subscription Level exceed 10% of the total expected average output of the available R*C Resources.
- 2a. Limited Exception to Subscription Level. Customers who subscribe to the first tranche of resources approved for the Renewable*Connect Pilot Program may purchase a total Subscription Level from the first tranche without limitation.
3. Unless otherwise agreed to by the Company, for a Customer electing to receive the R*C Service by the 100 kWh Blocks R*C Billing Method, the Subscription Level shall be set so that when combined with other distributed generation resources serving the premises designated in the Service Agreement the subscription size does not exceed one hundred (100) percent of the previous annual (12-month) consumption of electric energy by Customer at Premises. If twelve (12) months of historical electric energy consumption data is not available for a particular Customer Premise, the Company will calculate the estimated annual electric energy consumption as follows: if there is less than twelve (12) months but four (4) months or more of consumption history, the average monthly consumption is multiplied by twelve (12) to figure the yearly consumption. In cases where there is less than four (4) months of consumption history, home usage is estimated based on the historical average energy use of homes of a similar size. Homes are assumed to have central A/C, electric appliances, and natural gas water and space heating. For commercial properties and all properties over 4,500 square feet with less than four (4) months of consumption history, the Customer must submit an energy audit (HERS Rating or similar) or load calculations for the property stating the estimated annual consumption. Load calculations must be documented and sent to the Renewable*Connect Program Manager for approval. The compliance check by the Company with this 100% rule will be performed once at the beginning of a subscription and later only if the Customer changes his or her subscription size or relocates to a new premise. In the event a customer's Applicable Retail Electric Usage in a given billing month results in the partial consumption of a 100 kWh Block, the charge on that partial block will be prorated accordingly.
4. For a Customer electing to receive its entire Applicable Retail Electric Usage pursuant to the R*C Service, Xcel Energy reserves the right to provide system energy in any given billing month for any portion of the Customer's Applicable Retail Electric Usage that exceeds its monthly average usage (calculated as the actual or estimated 12-month annual electric energy consumption described in paragraph 3, divided by 12).

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(Continued on Sheet No. 5-152)

Date Filed:	09-21-17	By: Christopher B. Clark	Effective Date:	02-21-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-17-695		Order Date:	02-21-18

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT PILOT PROGRAM
RIDER (Continued)**

Section No. 5
1st Revised Sheet No. 152

TERMS AND CONDITIONS OF SERVICE (Continued)

5. A Customer’s subscription period becomes effective on the first day of Customer’s billing period immediately following the Company counter-signing the Service Agreement (but not before January 1, 2017). Subscription periods are month-to-month, 5 years and 10 years, or are for a designated Special Event. Any termination by the Customer ahead of the 5 year, 10 year or Special Event term shall be provided by notice by the Customer to the Company at least 30 days prior to the Termination Date. The Termination Date is the last day of the billing month following 30 days from Company receipt of the termination notice provided by the Customer. Month-to-month subscriptions shall continue until terminated by the customer, and shall end on the last day of the billing month following 30 days from Company receipt of the termination notice provided by the Customer. A Customer that terminates a 5-Year or 10-Year R*C Service prior to the completion of that 5-Year or 10-Year term shall be subject to an Early Termination Fee. The Early Termination Fee shall be equal to the customer’s actual R*C Service usage for the 12-month billing period ending on the Termination Date multiplied by a per MWh amount of \$10 (R*C Early Termination Fee Rate). If the Customer does not have at least 12 billing months of R*C Service usage, the anticipated 12-month R*C Service usage will be calculated as follows:

- a. For Customers choosing the 100 kWh Blocks R*C Billing Method, the number of 100 kWh Blocks subscribed will be multiplied by twelve (12).
- b. For Customers choosing the Entire Monthly Usage R*C Billing Method, the estimated annual (12-month) usage for the Customer using the methodology described in paragraph 3.

This anticipated 12-month R*C Service usage will then be multiplied by the R*C Early Termination Fee Rate to determine the value of the Early Termination Fee.

- 6. Xcel Energy may cancel this R*C Service and any Service Agreement applicable to the R*C Service on written order from the Commission based on good cause shown. Additionally, Xcel Energy may, upon reasonable notice to a Customer, cancel any Service Agreement applicable to the R*C Service to assure that the Service Agreement does not extend beyond the term of this R*C Pilot Program. The term of this R*C Pilot Program ends on December 31, 2026.
- 7. The Company will submit reports to the Commission each April 1, or as otherwise ordered in relation to the tracker accounting.
- 8. For customers on time of day tariffs, their usage met by R*C Service and any excess usage not met by R*C Service shall both be assigned to the on-peak and off-peak periods in proportion to the Customer’s total billing period on-peak and off-peak usage.
- 9. Xcel Energy may, in its discretion, allow customers to subscribe to the R*C Program on a limited basis for the energy used by a single event or series of events without making a long-term purchase commitment.
- 10. The discounts under Residential Controlled Air Conditioning and Water Heating Rider and Commercial and Industrial Controlled Air Conditioning Riders are not applicable to the charges under this Rider.

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(Continued on Sheet No. 5-153)

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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT PILOT PROGRAM
RIDER (Continued)**

Section No. 5
Original Sheet No. 153

TERMS AND CONDITIONS OF SERVICE (Continued)

- 11. This Rider is provided to satisfy the conditions of Minn. Stat. §216B.169, subd. 2 related to renewable and high-efficiency energy rate options. The sales arrangements of renewable energy from the Renewable*Connect program supplies are such that the power supply is sold only once to retail customers.
- 12. The R*C Service shall only apply to the Applicable Retail Electric Usage of a Customer in excess of other renewable or other energy self-supplied by the Customer or supplied to the Customer by a different entity.
- 13. Any customer taking service under this Rider shall execute a Renewable*Connect Service Agreement. The effective date of service under this Rider will be set forth in the Service Agreement.
- 14. All R*C Resources are located in Minnesota. The Company shall assign to Customer, or retire on Customer's behalf, all renewable energy credits (RECs) associated with the Customer's Subscription Level for which the Customer has paid to the Company the applicable R*C Price. RECs assigned to Customer or retired on the Customer's behalf will not also be claimed by the Company as its renewable energy for other purposes.

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT GOVERNMENT
PILOT PROGRAM RIDER**

Section No. 5
Original Sheet No. 154

AVAILABILITY

The Voluntary Renewable*Connect™ Government ("R*CG") Pilot Program will be available, subject to capacity made available within the program, to any political subdivision or agency customer that: (i) elects to participate in the program; (ii) would otherwise receive service under a rate schedule that is subject to the adjustments provided for in the Minnesota Electric Fuel Clause Rider; and (iii) has the equivalent of an Investment Grade Credit Rating or, if such rating is unavailable, has satisfactory creditworthiness as determined by Northern States Power Company in its reasonably exercised discretion. For purposes of this Rider, a political subdivision or agency means a regional, territorial, or local authority, such as a county or municipality (including a municipal corporation) that is created or recognized by statute or other authority to exercise sovereign powers and that has governing officers appointed by officials of a recognized political subdivision or that are publicly elected. As used in this Pilot Program, a political subdivision or agency includes the Minnesota Department of Administration and those State of Minnesota agencies it assists in administering. Investment Grade Credit Rating, for the purposes of this Rider, means a senior unsecured bond rating (unenhanced by third party support) assigned by Standard & Poors Rating Group (or its successor) of BBB- or higher and/or Moody's Investor Service Inc. (or its successor) of Baa3 or higher; provided, however, that if any senior unsecured bond rating (unenhanced by third party support) is exactly equivalent to BBB-/Baa3, the rated entity shall not be on credit watch by such rating agency, and, provided further, that if the ratings of S&P and Moody's are not equivalent, the lower rating shall apply.

DEFINITIONS

The following definitions apply:

- (i) "Applicable Retail Electric Usage" means the measured retail electric usage of the Customer on the account(s) during the monthly billing cycle for the Customer's premises identified in the Service Agreement as being associated with the Customer's subscription to the R*CG Service.
- (ii) "R*CG Adjustment" means the product resulting from the multiplication of the R*CG Price by the R*CG Energy.
- (iii) "R*CG Energy" means the electric power, in kWh, from the R*CG Resources associated with the Customer's Subscription Level.
- (iv) "R*CG Price" means the price as shown in the Rate section below.
- (v) "R*CG Resources" for this pilot program means portions of renewable sources applicable to the R*CG Service.
- (vi) "R*CG Service" means the service offered under this Voluntary Renewable*Connect-Government Pilot Program Rider.
- (vii) "Service Agreement" means the tariffed service agreement associated with the R*CG Service which the Customer signs.
- (viii) "Subscription Level" means the Customer's allocated share set forth in the Service Agreement, in MW, of the capacity from the R*CG Resources. The Subscription Level is a blend of renewable resources.

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(Continued on Sheet No. 5-155)

Date Filed:	11-12-15	By: Christopher B. Clark	Effective Date:	02-27-17
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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT GOVERNMENT
PILOT PROGRAM RIDER (Continued)**

Section No. 5
Original Sheet No. 155

RIDER

Customer may elect to receive R*CG Service. Under the R*CG Service, the Customer shall subscribe for a fixed amount of the capacity of the R*CG Resources. Each billing month, the R*CG Price will be applied to the Customer's R*CG Energy, the product being the R*CG Adjustment.

If the Customer's Applicable Retail Electric Usage is less than the R*CG Energy in any given billing month, then:

1. The Company will bill the Customer for the Customer's Applicable Retail Electric Usage based on the R*CG Price for that billing month;
2. The kWh surplus shall be carried over and applied to a subsequent billing month for the Customer.
3. Any such surplus may be carried over up to the day before the yearly anniversary of the Customer's Subscription Term as defined in the Service Agreement. If there is a positive kWh carry-over balance at the end of that day, the Customer shall incur a charge on its retail bill for that balance in kWh multiplied by the then-current R*CG Price along with a credit for the balance in kWh multiplied by the Net Resources Cost (defined as the resource cost less the current capacity credit). The accumulated Customer surplus then will be reduced to zero.

Customer receiving R*CG Service shall only be subject to the Minnesota Electric Fuel Clause Rider for the portion of its Applicable Retail Electric Usage that is greater than the Customer's R*CG Energy plus any applicable applied kWh surplus. All usage shall be subject to any other applicable adjustments and surcharges, including city surcharge or sales tax. The cost to the Customer for participating in the R*CG Service will appear on the Customer's retail electric bill.

DETERMINATION OF R*CG PRICE

The R*CG Price is based on the actual delivered cost of the R*CG Resources adjusted for capacity credits and neutrality charges, plus recoverable program expenses. Recoverable program expenses include renewable energy purchases, marketing, and other costs approved by the Minnesota Public Utilities Commission ("Commission").

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(Continued on Sheet No. 5-156)

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		President, Northern States Power Company, a Minnesota corporation		
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Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT GOVERNMENT
PILOT PROGRAM RIDER (Continued)**

Section No. 5
Original Sheet No. 156

RATE

The R*CG Price for the pilot phase R*CG Resources shall be as follows based on year of production, unless otherwise provided for in this tariff:

Year	R*CG Price (\$/kWh)
2017	\$0.03093
2018	\$0.03130
2019	\$0.03167
2020	\$0.03230
2021	\$0.03295
2022	\$0.03349
2023	\$0.03404
2024	\$0.03460
2025	\$0.03519
2026	\$0.03580
2027	\$0.03617
2028	\$0.03680
2029	\$0.03745
2030	\$0.03813
2031	\$0.03881
2032	\$0.03951
2033	\$0.04025
2034	\$0.04100
2035	\$0.04176
2036	\$0.04224

RENEWABLE*CONNECT GOVERNMENT RESOURCES

The Renewable*Connect Government program will be supplied by R*CG Resources, which produce renewable energy as set forth in Minn. Stat. § 216B.169 (as the same may be amended or revised from time to time). The Customer's share of the output of the R*CG Resources is the "R*CG Energy".

The Company shall not be liable to the Customer in the event that the R*CG Energy is greater than or less than the Customer's Applicable Retail Electric Usage. The Customer assumes all production risk of the R*CG Resources.

To the extent the Company is not required to pay the operator of the R*CG Service because R*CG Resources are unavailable, then on a pro-rata basis the R*CG Energy level of the Customer shall be reduced while such resources are unavailable.

(Continued on Sheet No. 5-157)

Date Filed: 11-12-15 By: Christopher B. Clark Effective Date: 02-27-17
President, Northern States Power Company, a Minnesota corporation
Docket No. E002/M-15-985 Order Date: 02-27-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT GOVERNMENT
PILOT PROGRAM RIDER (Continued)**

Section No. 5
Original Sheet No. 157

TRACKER ACCOUNT

Customers enrolled in the R*CG Service subscribe to a fixed amount of the capacity of the R*CG Resources, which is the Customer's Subscription Level. The R*CG Resources are variable in nature and may produce more or less energy than the Customer's Applicable Retail Electric Usage. The Company shall apply the R*CG Price to the Customer's Applicable Retail Electric Usage up to the level of the R*CG Energy plus any applied kWh surplus from previous months. If the Customer's Applicable Retail Electric Usage in a given billing month is greater than the R*CG Energy plus unused kWh surplus, then to that extent the Customer's electric usage will be subject to the Minnesota Electric Fuel Clause Rider. The Company will balance the usage of R*CG Service Customers at the end of the program month and year with the actual output of the R*CG Resources over the same periods in accordance with the expected resource blend. Energy produced by the R*CG Resources that is not associated with any R*CG Service subscription and therefore not allocated to an R*CG Customer will be sold to all customers at the delivered cost through the Fuel Clause Adjustment.

The Company will maintain accounting of the monthly balance of total program production, total program usage, total revenues collected under the program and the expenses associated with offering the R*CG Service, including the renewable energy purchases, marketing and other costs for this program.

TERMS AND CONDITIONS OF SERVICE

1. Any Customer enrolling in this R*CG Service shall execute the Service Agreement with the Company. The effective date of such service, and the Customer's Subscription Level, will be set forth in the Service Agreement. A Customer's ability to continue receiving this R*CG Service terminates upon the termination of the Service Agreement.
2. Unless otherwise agreed to by the Company, a Customer's Subscription Level initially shall be set so that when combined with other distributed generation resources serving the premises designated in the Service Agreement the subscription size does not exceed one hundred (100) percent of the previous annual (12-month) consumption of electric energy by Customer at Premises to which the subscription is attributed (using a conversion factor based on expected production from the R*CG Resources). If twelve (12) months of historical electric energy consumption data is not available for a particular Customer premise, the Company will calculate the estimated annual electric energy consumption as follows: if there is less than twelve (12) months but four (4) months or more of consumption history, the average monthly consumption is multiplied by twelve (12) to figure the yearly consumption. In cases where there is less than four (4) months of consumption history, for commercial properties and all properties over 4,500 square feet with less than four (4) months of consumption history, the Customer must submit an energy audit (HERS Rating or similar) or load calculations for the property stating the estimated annual consumption. Load calculations must be documented and sent to the Renewable*Connect Government Program Manager for approval. The compliance check by the Company with this 100% rule will be performed once at the beginning of a subscription and later only if the Customer changes the Premise(s) associated with the Customer's Subscription Level.

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(Continued on Sheet No. 5-158)

Date Filed:	11-12-15	By: Christopher B. Clark	Effective Date:	02-27-17
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-15-985		Order Date:	02-27-17

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**VOLUNTARY RENEWABLE*CONNECT GOVERNMENT
PILOT PROGRAM RIDER (Continued)**

Section No. 5
Original Sheet No. 158

3. Subscription periods become effective on the first day of Customer's billing period immediately following the Company counter-signing the Service Agreement (but not before January 1, 2017), and shall expire on December 31, 2035. Customers that terminate R*CG Service prior to the termination date in the Service Agreement shall be subject to an early termination fee (the "Early Termination Fee"). The Early Termination Fee shall be equal to the Subscription Level in kW multiplied by \$20/kW.
4. A Customer may assign all or part of its Subscription Level to one or more other accounts associated with other premises where it receives retail electric service from the Company and which otherwise qualify under this program under a process which the Company establishes for this.
5. Xcel Energy may cancel this R*CG Service and any Service Agreement applicable to the R*CG Service on written order from the Commission based on good cause shown.
6. The Company will submit reports to the Commission each April 1, for the prior calendar year, or as otherwise ordered in relation to the tracker accounting.
7. For Customers on time of day tariffs, their usage met by R*CG Service and any excess usage not met by R*CG Service shall both be assigned to the on-peak and off-peak periods in proportion to the Customer's total billing period on-peak and off-peak usage.
8. The discounts under Residential Controlled Air Conditioning and Water Heating Rider and Commercial and Industrial Controlled Air Conditioning Riders are not applicable to the charges under this Rider.
9. This R*CG Service shall only apply to the Applicable Retail Electric Usage of a Customer in excess of net metering or other renewable energy supplied by or for the Customer for the premises designated in the Service Agreement.
10. All R*CG Resources are located in Minnesota.
11. The Company shall assign to Customer, or retire on Customer's behalf, all renewable energy credits (RECs) associated with the Customer's R*CG Energy for which the Customer has paid to the Company the applicable R*CG Price. RECs assigned to Customer or retired on the Customer's behalf will not also be claimed by the Company as its renewable energy for other purposes.

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Date Filed:	11-12-15	By: Christopher B. Clark	Effective Date:	02-27-17
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-15-985		Order Date:	02-27-17

Northern States Power Company, a Minnesota corporation

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Minnesota Retail Electric Fuel Cost Charges Table (\$/kWh)

June 2018- June 2019	FUEL COST CHARGE					
	Residential	C&I Non-Demand	C&I Demand			Outdoor Lighting
			Non-TOD	TOD		
				On-Peak	Off-Peak	
June 2018	\$0.02919	\$0.02956	\$0.02864	\$0.03581	\$0.02342	\$0.02288
July	\$0.02807	\$0.02843	\$0.02754	\$0.03444	\$0.02252	\$0.02201
August	\$0.02280	\$0.02309	\$0.02238	\$0.02798	\$0.01829	\$0.01788
September	\$0.03080	\$0.03119	\$0.03022	\$0.03779	\$0.02471	\$0.02414
October	\$0.02737	\$0.02772	\$0.02686	\$0.03358	\$0.02196	\$0.02146
November	\$0.02602	\$0.02635	\$0.02553	\$0.03192	\$0.02088	\$0.02040
December	\$0.02776	\$0.02812	\$0.02724	\$0.03406	\$0.02227	\$0.02176
January 2019	\$0.02702	\$0.02736	\$0.02651	\$0.03315	\$0.02168	\$0.02118
February	\$0.02003	\$0.02029	\$0.01966	\$0.02458	\$0.01607	\$0.01571
March	\$0.02661	\$0.02695	\$0.02612	\$0.03265	\$0.02135	\$0.02087
April	\$0.02642	\$0.02676	\$0.02593	\$0.03242	\$0.02120	\$0.02072
May	\$0.02947	\$0.02985	\$0.02892	\$0.03616	\$0.02365	\$0.02311
June	\$0.02416	\$0.02447	\$0.02371	\$0.02964	\$0.01938	\$0.01894

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
SCHEDULE 1. IDENTIFICATION		
SURVEY CONTACTS: Persons to contact with question about this form		RESPONSE DUE DATE: Please submit by April 30th following the close of calendar year
Contact Beth Osman Title: Senior Financial Analyst-External R Phone: (612) 215-4641 FAX: Email: beth.a.osman@xcelenergy.com	REPORT FOR: Northern States Power Co - Minnesota 13781 REPORTING PERIOD: 2018	
Supervisor Jolene Stephens Title: Manager, External Reporting Phone: (612) 215-5378 FAX: (612) 330-6335 Email: jolene.j.stephens@xcelenergy.com	Logged By / Date: Logged In: <input type="checkbox"/> Receipt Date (mm/dd/yyyy):	
1	Legal Name of Industry Participant	Northern States Power Co - Minnesota Submission Status/Date: Submitted 05/03/2019
2	Current Address of Principal Business Office	414 Nicollet Mall Minneapolis MN 55401 0000
3	Preparer's Legal Name Operator (if different than line 1)	
4	Current Address of Preparer's Office (if different than line 2)	
5	Respondent Type (Check One)	<input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Transmission <input type="checkbox"/> Political Subdivision <input type="checkbox"/> Municipal <input type="checkbox"/> Behind the Meter <input type="checkbox"/> Municipal Marketing Authority <input checked="" type="checkbox"/> Investor-Owned <input type="checkbox"/> Wholesale Power Marketer <input type="checkbox"/> Cooperative <input type="checkbox"/> Retail Power Marketer (or Energy Service Provider) <input type="checkbox"/> DSM Administrator <input type="checkbox"/> Independent Power Producer or Qualifying Facility <input type="checkbox"/> Community Choice Aggregator
For questions or additional information about the Form EIA-861 contact the Survey Manager: Fax: (202) 287 - 1938 Email: EIA-861@eia.gov Stephen Scott Phone: (202) 586-5140 Email: stephen.scott@eia.gov		

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR:	Northern States Power Co - Minnesota	13781		
REPORT PERIOD ENDING:	2018			
SCHEDULE 2. PART A. GENERAL INFORMATION				
LINE NO.				
1	Regional North American Electric Reliability Council (Not applicable for power marketers)	<input type="checkbox"/> TRE (formerly ERCOT) <input type="checkbox"/> FRCC <input checked="" type="checkbox"/> MRO	<input type="checkbox"/> NPCC <input type="checkbox"/> RFC (formerly ECAR, MAIN. MAAC) <input type="checkbox"/> SERC	<input type="checkbox"/> SPP <input type="checkbox"/> WECC
2	Name of RTO or ISO	<input type="checkbox"/> California ISO <input type="checkbox"/> Electric Reliability Council of Texas <input type="checkbox"/> PJM Interconnection <input type="checkbox"/> New York ISO	<input type="checkbox"/> Southwest Power Pool <input checked="" type="checkbox"/> Midwest ISO <input type="checkbox"/> ISO New England <input type="checkbox"/> None	
3	(For EIA Use Only) Identify the North American Electric Reliability Council where you are physically located	MRO		
4	Did Your Company Operate Generating Plants(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5	Identify The Activities Your Company Was Engaged In During The Year (Check appropriate activities)	<input checked="" type="checkbox"/> Generation from company owned plant <input checked="" type="checkbox"/> Transmission <input checked="" type="checkbox"/> Buying transmission services on other electrical system <input checked="" type="checkbox"/> Distribution using owned/leased electric wires	<input type="checkbox"/> Buying distribution on other electrical system <input checked="" type="checkbox"/> Wholesale power marketing <input type="checkbox"/> Retail power marketing <input checked="" type="checkbox"/> Bundled Services (electricity plus other services such as gas, water, etc. in addition to electric service))	
6	Highest Hourly Electrical Peak System Demand	Summer (Megawatts) 7,609.0 Winter (Megawatts) 4,713.0	Prior Year Prior Year	7,371.0 5,379.0
7	Did Your Company Operate Alternative-Fueled Vehicles During the Year? Does Your Company Plan to Operate Such Vehicles During the Coming Year?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
	Name: Victoria Earnest Title: Fleet Systems Analyst Telephone: 612 - 630 - 4457 Fax: 612 - 573 - 9427 Email: victoria.j.earnest@xcelenergy.com	If "Yes", Please Provide Additional Contact Information		

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US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION					
	SOURCE OF ENERGY	MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation	37,100,627	11	Sales to Ultimate Consumers	34,908,071
2	Purchases from Electricity Suppliers	12,972,506	12	Sales For Resale	14,024,754
3	Exchanged Received (In)		13	Energy Furnished Without Charge	380
4	Exchanged Delivered (Out)		14	Energy Consumed By Respondent Without Charge	52,248
5	Exchanged Net				
6	Wheeled Received (In)				
7	Wheeled Delivered (Out)		15	Total Energy Losses (positive number)	1,087,680
8	Wheeled Net				
9	Transmission by Others Losses (Negative Number)				
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)	50,073,133	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	50,073,133

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US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2018

SCHEDULE 2. PART C. ELECTRIC OPERATING REVENUE

LINE NO.	TYPE OF OPERATING REVENUE	(THOUSAND DOLLARS to the nearest 0.1)
1	Electrical Operating Revenue From Sales to Ultimate Customers (Schedule 4: Parts A, B, and D) \$	3,773,915.5
2	Revenue From Unbundled (Delivery) Customers (Schedule 4: Part C) \$	
3	Electric Operating Revenue from Sales for Resale \$	515,277.0
4	Electric Credits/Other Adjustments \$	-2,879.3
5	Revenue from Transmission \$	285,383.0
6	Other Electric Operating Revenue \$	-76,236.3
7	Total Electric Operating Revenue (sum of lines 1, 2, 3, 4, 5 and 6) \$	4,495,459.9

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US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

**SCHEDULE 3. PART A.
DISTRIBUTION SYSTEM RELIABILITY DATA**

INSTRUCTIONS: For the purpose of this schedule, a distribution circuit is any circuit with a voltage of 34kV or below that emanate from a substation and that serves end use customers.

State/Territory	MN	
1	Total Number of Distribution Circuits	1,045.0
2	Number of Distribution Circuits that employ voltage/VAR optimization (VVO)	

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US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2018

**SCHEDULE 3. PART A.
DISTRIBUTION SYSTEM RELIABILITY DATA**

INSTRUCTIONS: For the purpose of this schedule, a distribution circuit is any circuit with a voltage of 34kV or below that emanate from a substation and that serves end use customers.

State/Territory	ND	
1	Total Number of Distribution Circuits	63.0
2	Number of Distribution Circuits that employ voltage/VAR optimization (VVO)	

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US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2018

**SCHEDULE 3. PART A.
DISTRIBUTION SYSTEM RELIABILITY DATA**

INSTRUCTIONS: For the purpose of this schedule, a distribution circuit is any circuit with a voltage of 34kV or below that emanate from a substation and that serves end use customers.

State/Territory SD

1	Total Number of Distribution Circuits	70.0
2	Number of Distribution Circuits that employ voltage/VAR optimization (VVO)	

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781
REPORT PERIOD ENDING: 2018

**SCHEDULE 3. PART B.
DISTRIBUTION SYSTEM RELIABILITY DATA**

Who is required to complete this schedule?

This schedule collects System Average Interruption Frequency Index (SAIFI) and System Average Interruption Duration Index (SAIDI) statistics. If your organization does not compute these indexes, answer 'no' to Question 1 and then skip to Schedule 4A. You do not have to complete any other part of this schedule 3B or 3C.

Should you complete Part B or Part C?

If your organization computes the SAIFI and SAIDI indexes and determines Major Event Days using the IEEE 1366-2003 or the IEEE 1366-2012 standard, answer 'YES' to Questions 1 and 2, and complete Part B. Then skip to Schedule 4A. (You do not complete Schedule 3, Part C.)

If your organization does not use the IEEE 1366-2003 or the IEEE 1366-2012 standard but calculates SAIDI and SAIFI indexes via other method, answer 'yes' to question 1 and 'no' to question 2 and complete Part C. Then go to Schedule 4A.

- 1 Do you calculate SAIDI and SAIFI by any method? If Yes, go to Question 2. If No, go to Schedule 4, Part A. Yes No
- 2 Do you calculate SAIDI and SAIFI and determine Major Event Days using the IEEE1366-2003 standard or IEEE-2012 standard? If Yes, complete Part B. If No, go to complete Part C. Yes No

Part B: SAIDI and SAIFI in accordance with IEEE 1366-2003 standard or IEEE 1366-2012 standard

State	MN
3a. SAIDI value including Major Event days	124.950
3b. SAIDI value excluding Major Event days	95.020
4 SAIDI value including Major Event days minus loss of supply	118.780
5a. SAIFI value including Major Event days	0.950
5b. SAIFI value excluding Major Event days	0.880
6. SAIFI value including Major Event days minus loss of supply	0.890
7. Total number of customers used in these calculations	1,265,163.0
8. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system? (kV)	34.5
9. Do you receive information about a customer outage in advance of a customer reporting it?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Thank You for completing this part. Skip Part C and go directly to Schedule 4 Part A.

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781
 REPORT PERIOD ENDING: 2018

**SCHEDULE 3. PART B.
DISTRIBUTION SYSTEM RELIABILITY DATA**

Who is required to complete this schedule?

This schedule collects System Average Interruption Frequency Index (SAIFI) and System Average Interruption Duration Index (SAIDI) statistics. If your organization does not compute these indexes, answer 'no' to Question 1 and then skip to Schedule 4A. You do not have to complete any other part of this schedule 3B or 3C.

Should you complete Part B or Part C?

If your organization computes the SAIFI and SAIDI indexes and determines Major Event Days using the IEEE 1366-2003 or the IEEE 1366-2012 standard, answer 'YES' to Questions 1 and 2, and complete Part B. Then skip to Schedule 4A. (You do not complete Schedule 3, Part C.)

If your organization does not use the IEEE 1366-2003 or the IEEE 1366-2012 standard but calculates SAIDI and SAIFI indexes via other method, answer 'yes' to question 1 and 'no' to question 2 and complete Part C. Then go to Schedule 4A.

- 1 Do you calculate SAIDI and SAIFI by any method? If Yes, go to Question 2. If No, go to Schedule 4, Part A. Yes No
- 2 Do you calculate SAIDI and SAIFI and determine Major Event Days using the IEEE1366-2003 standard or IEEE-2012 standard? If Yes, complete Part B. If No, go to complete Part C. Yes No

Part B: SAIDI and SAIFI in accordance with IEEE 1366-2003 standard or IEEE 1366-2012 standard

	State	SD
3a. SAIDI value including Major Event days		76.520
3b. SAIDI value excluding Major Event days		58.570
4 SAIDI value including Major Event days minus loss of supply		66.670
5a. SAIFI value including Major Event days		0.680
5b. SAIFI value excluding Major Event days		0.480
6. SAIFI value including Major Event days minus loss of supply		0.540
7. Total number of customers used in these calculations		92,713.0
8. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system? (kV)		34.5
9. Do you receive information about a customer outage in advance of a customer reporting it?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Thank You for completing this part. Skip Part C and go directly to Schedule 4 Part A.

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781
REPORT PERIOD ENDING: 2018

**SCHEDULE 3. PART B.
DISTRIBUTION SYSTEM RELIABILITY DATA**

Who is required to complete this schedule?

This schedule collects System Average Interruption Frequency Index (SAIFI) and System Average Interruption Duration Index (SAIDI) statistics. If your organization does not compute these indexes, answer 'no' to Question 1 and then skip to Schedule 4A. You do not have to complete any other part of this schedule 3B or 3C.

Should you complete Part B or Part C?

If your organization computes the SAIFI and SAIDI indexes and determines Major Event Days using the IEEE 1366-2003 or the IEEE 1366-2012 standard, answer 'YES' to Questions 1 and 2, and complete Part B. Then skip to Schedule 4A. (You do not complete Schedule 3, Part C.)

If your organization does not use the IEEE 1366-2003 or the IEEE 1366-2012 standard but calculates SAIDI and SAIFI indexes via other method, answer 'yes' to question 1 and 'no' to question 2 and complete Part C. Then go to Schedule 4A.

- 1 Do you calculate SAIDI and SAIFI by any method? If Yes, go to Question 2. If No, go to Schedule 4, Part A. Yes No
- 2 Do you calculate SAIDI and SAIFI and determine Major Event Days using the IEEE1366-2003 standard or IEEE-2012 standard? If Yes, complete Part B. If No, go to complete Part C. Yes No

Part B: SAIDI and SAIFI in accordance with IEEE 1366-2003 standard or IEEE 1366-2012 standard

	State	ND
3a. SAIDI value including Major Event days		68.190
3b. SAIDI value excluding Major Event days		52.360
4 SAIDI value including Major Event days minus loss of supply		61.890
5a. SAIFI value including Major Event days		0.560
5b. SAIFI value excluding Major Event days		0.490
6. SAIFI value including Major Event days minus loss of supply		0.500
7. Total number of customers used in these calculations		92,389.0
8. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system? (kV)		34.5
9. Do you receive information about a customer outage in advance of a customer reporting it?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Thank You for completing this part. Skip Part C and go directly to Schedule 4 Part A.

7610.0600 F

US Department of Energy
Energy Information Administration
Form EIA-861

ANNUAL ELECTRIC POWER
INDUSTRY REPORT

Form Approved
OMB No. 1905-0129
Approved Expires 03/31/2020

REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2018

Part C: SAIDI and SAIFI calculated by other methods

State

10a. SAIDI value including Major Events

10b. SAIDI value excluding Major Events

11a. SAIFI value including Major Events

11b. SAIFI value excluding Major Events

12. Total number of customers used in these calculations

13. Do you include inactive accounts?

Yes

No

14. How do you define momentary interruptions

Less than 1 min.

Less than 5 min.

Other

15. What is the highest voltage that you consider part of the distribution system, as opposed to the supply system?

kv

16. Is information about customer outages recorded automatically?

Yes

No

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781
REPORT PERIOD ENDING: 2018

SCHEDULE 4. PART A. SALES TO ULTIMATE CUSTOMERS. FULL SERVICE - ENERGY AND DELIVERY SERVICE (BUNDLED)

		RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State	MN Balancing Authority	56669				
Revenue (thousand dollars)		1,259,859.4	1,412,579.2	661,416.1	2,474.8	3,336,329.5
Megawatthours		8,905,592	13,390,272	8,127,676	25,832	30,449,372
Number of Customers		1,149,958	139,539	506	1	1,290,004
Are your rates decoupled?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?		<input type="checkbox"/> automatic	<input type="checkbox"/> automatic	<input type="checkbox"/> automatic	<input type="checkbox"/> automatic	
		<input type="checkbox"/> proceeding	<input type="checkbox"/> proceeding	<input type="checkbox"/> proceeding	<input type="checkbox"/> proceeding	
Cents/Kwh		14.147	10.549	8.138	9.580	10.957
State	ND Balancing Authority	56669				
Revenue (thousand dollars)		82,604.4	101,127.4	26,819.8		210,551.6
Megawatthours		794,324	1,098,791	371,963		2,265,078
Number of Customers		80,998	13,191	23		94,212
Are your rates decoupled?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?		<input type="checkbox"/> automatic	<input type="checkbox"/> automatic	<input type="checkbox"/> automatic	<input type="checkbox"/> automatic	
		<input type="checkbox"/> proceeding	<input type="checkbox"/> proceeding	<input type="checkbox"/> proceeding	<input type="checkbox"/> proceeding	
Cents/Kwh		10.399	9.204	7.210		9.296

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781
REPORT PERIOD ENDING: 2018

SCHEDULE 4. PART A. SALES TO ULTIMATE CUSTOMERS. FULL SERVICE - ENERGY AND DELIVERY SERVICE (BUNDLED)

State	SD	Balancing Authority	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
			56669				
			Revenue (thousand dollars)	95,263.1	102,067.0	29,704.3	227,034.4
			Megawatthours	776,420	1,039,733	377,468	2,193,621
			Number of Customers	82,144	12,160	24	94,328
			Are your rates decoupled?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
			If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?	<input type="checkbox"/> N automatic	<input type="checkbox"/> N automatic	<input type="checkbox"/> N automatic	<input type="checkbox"/> N automatic
				<input type="checkbox"/> N proceeding	<input type="checkbox"/> N proceeding	<input type="checkbox"/> N proceeding	<input type="checkbox"/> N proceeding
			Cents/Kwh	12.270	9.817	7.869	10.350

State
Revenue (thousand dollars)
Megawatthours
Number of Customers
Are your rates decoupled?
If the answer is YES, is the revenue adjustment automatic or does it require a rate-making proceeding?
Cents/Kwh

Total							
Revenue (thousand dollars)	1,437,726.9	1,615,773.6	717,940.2	2,474.8	3,773,915.5		
Megawatthours	10,476,336	15,528,796	8,877,107	25,832	34,908,071		
Number of Customers	1,313,100	164,890	553	1	1,478,544		

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

SCHEDULE 4. PART B. SALES TO ULTIMATE CUSTOMERS. ENERGY -- ONLY SERVICE (WITHOUT DELIVERY SERVICE)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State					
Balancing Authority					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					

Total
Revenue (thousand dollars)
Megawatthours
Number of Customers

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781
 REPORT PERIOD ENDING: 2018

SCHEDULE 4. PART C. SALES TO ULTIMATE CUSTOMERS. DELIVERY -- ONLY SERVICE (AND OTHER RELATED CHARGES)

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State	Balancing Authority				
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					

Total
Revenue (thousand dollars)
Megawatthours
Number of Customers

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

SCHEDULE 4. PART D. BUNDLED SERVICE BY RETAIL ENERGY PROVIDERS AND POWER MARKETERS

	RESIDENTIAL (a)	COMMERCIAL (b)	INDUSTRIAL (c)	TRANSPORTATION (d)	TOTAL (e)
State	Balancing Authority				
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					
State					
Revenue (thousand dollars)					
Megawatthours					
Number of Customers					
Cents/Kwh					

Total
Revenue (thousand dollars)
Megawatthours
Number of Customers

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781

REPORTING PERIOD ENDING: 2018

SCHEDULE 5. MERGERS and/or ACQUISITIONS

Mergers and/or acquisitions during the reporting month

If Yes, Provide:

Date of Merger or Acquisition

Company merged with or acquired

Name of new parent company

Address

City

State, Zip

New Contact Name

Telephone No.

Email address

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781
 REPORT PERIOD ENDING: 2018

SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Adjusted Gross Energy and Demand Savings -- Energy Efficiency

If you have a non utility DSM administrator that reports your DSM activity for you please select them from the list

State/Territory	MN	Balancing Authority				Total
		RESIDENTIAL	COMMERCIAL	INDUSTRIAL	TRANS	
		(a)	(b)	(c)	(d)	(e)
Reporting Year Incremental Annual Savings						
1	Energy Savings (MWh)	185,418.428	379,316.999	67,278.587	0.000	632,014.014
2	Peak Demand Savings (MW)	30.807	62.249	7.698	0.000	100.754
Increment Life Cycle Savings						
3	Energy Savings (MWh)	1232501.215	5,967,875.992	1,128,873.154	0.000	8,329,250.361
4	Peake Demand Savings (MW)	30.807	62.249	7.698	0.000	100.754
Reporting Year Incremental Costs						
5	Customer Incentives	14,312.040	39,190.754	4,765.265	0.000	58,268.059
6	All other costs	10,267.469	26,350.916	3,307.063	0.000	39,925.448
Incremental Life Cycle Costs						
7	Customer Incentives	14,312.040	39,190.754	4,765.265	0.000	58,268.059
8	All other costs	10,267.469	26,350.916	3,307.063	0.000	39,925.448
Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate						
9	Weighted Average Life	6.647	15.733	16.779		39.000

Please provide website address to your energy efficiency program reports:

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781
 REPORT PERIOD ENDING: 2018

SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Adjusted Gross Energy and Demand Savings -- Energy Efficiency

State/Territory	SD	Balancing Authority				Total
		RESIDENTIAL	COMMERCIAL	INDUSTRIAL	TRANS	
		(a)	(b)	(c)	(d)	(e)
Reporting Year Incremental Annual Savings						
1	Energy Savings (MWh)	2,426.884	3,332.874			5,759.758
2	Peak Demand Savings (MW)	0.258	0.469			0.727
Increment Life Cycle Savings						
3	Energy Savings (MWh)	12768.236	56,069.636			68,837.872
4	Peake Demand Savings (MW)	0.258	0.469			0.727
Reporting Year Incremental Costs						
5	Customer Incentives	71.587	331.051			402.638
6	All other costs	68.959	71.494			140.453
Incremental Life Cycle Costs						
7	Customer Incentives	71.587	331.051			402.638
8	All other costs	68.959	71.494			140.453
Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate						
9	Weighted Average Life	5.261	16.823			22.000

Please provide website address to your energy efficiency program reports:

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2018

SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS

DMS Administration only. List all utilities that you provide service for.

State	Utility Name

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response

Reporting Year Savings

State/Territory	MN	Balancing Authority	56669	(a)	(b)	(c)	(d)	(e)
				Residential	Commercial	Industrial	Transportation	Total
1		Number of Customers Enrolled		424,571	18,503	218		443,292
2		Energy Savings (Mwh)		655.000	434.494	92.690		1,182.184
3		Potential Peak Demand Savings (MW)		274.546	326.567	94.045		695.158
4		Actual Peak Demand Savings (MW)		0.000	0.000	0.000		0.000

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)

Reporting Year Costs

5		Customer Incentives		28,450.910	25,642.093	1,252.901		55,345.904
6		All other costs		6,414.000	2,064.255	525.103		9,003.358

7 If you have a demand side management (DMS) program for grid-interactive water heaters (as defined by DOE), how many grid interactive water heaters were added to your program this year?

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response

Reporting Year Savings

State/Territory	ND	Balancing Authority	56669	(a)	(b)	(c)	(d)	(e)
				Residential	Commercial	Industrial	Transportation	Total
1		Number of Customers Enrolled		12,397	695	11		13,103
2		Energy Savings (Mwh)		16.426	15.000	0.000		31.426
3		Potential Peak Demand Savings (MW)		7.365	15.000	46.000		68.365
4		Actual Peak Demand Savings (MW)		0.000	0.000	0.000		0.000

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)

Reporting Year Costs

5		Customer Incentives		871.474	1,053.600	2,458.400		4,383.474
6		All other costs		23.160	27.792	64.848		115.800

7 If you have a demand side management (DMS) program for grid-interactive water heaters (as defined by DOE), how many grid interactive water heaters were added to your program this year?

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response

Reporting Year Savings

State/Territory	SD	Balancing Authority	56669	(a)	(b)	(c)	(d)	(e)
				Residential	Commercial	Industrial	Transportation	Total
1	Number of Customers Enrolled			20,057	685	3		20,745
2	Energy Savings (Mwh)			22.118	16.050	0.000		38.168
3	Potential Peak Demand Savings (MW)			10.844	16.050	6.010		32.904
4	Actual Peak Demand Savings (MW)			0.000	0.000	0.000		0.000

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)

Reporting Year Costs

5	Customer Incentives			1,521.316	910.695	384.610		2,816.621
6	All other costs			185.090	48.725	3.876		237.691

7 If you have a demand side management (DMS) program for grid-interactive water heaters (as defined by DOE), how many grid interactive water heaters were added to your program this year?

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
--	--	---

REPORT FOR: Northern States Power Co - Minnesota 13781
REPORT PERIOD ENDING: 2018

SCHEDULE 6. PART C. DYNAMIC PRICING PROGRAMS
Number of Customers

INSTRUCTIONS: Report the number of customers participating in dynamic pricing programs, e.g. Time-of-Use-Pricing, Real-Time-Pricing, Variable Peak Pricing, Critical Peak Pricing Programs.

State/Territory SD **Balancing Authority** 56669

		Residential (a)	Commercial (b)	Industrial (c)	Transportatio (d)	Total (e)
1	Number of Customers enrolled in dynamic pricing programs, by customer class	9	675	0		684

Types of Dynamic Pricing Programs

INSTRUCTIONS: For each customer class, mark the types of dynamic pricing programs in which the customers are participating.

		Residential (a)	Commercial (b)	Industrial (c)	Transportatio (d)
2	Time-of-Use Pricing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3	Real-Time Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4	Variable Peak Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	Critical Peak Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6	Critical Peak Rebate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781
 REPORT PERIOD ENDING: 2018

SCHEDULE 6. PART C. DYNAMIC PRICING PROGRAMS
Number of Customers

INSTRUCTIONS: Report the number of customers participating in dynamic pricing programs, e.g. Time-of-Use-Pricing, Real-Time-Pricing, Variable Peak Pricing, Critical Peak Pricing Programs.

State/Territory MN **Balancing Authority** 56669

		Residential (a)	Commercial (b)	Industrial (c)	Transportatio (d)	Total (e)
1	Number of Customers enrolled in dynamic pricing programs, by customer class	1,021	15,647	26	1	16,695

Types of Dynamic Pricing Programs

INSTRUCTIONS: For each customer class, mark the types of dynamic pricing programs in which the customers are participating.

		Residential (a)	Commercial (b)	Industrial (c)	Transportatio (d)
2	Time-of-Use Pricing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Real-Time Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4	Variable Peak Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	Critical Peak Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6	Critical Peak Rebate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781
REPORT PERIOD ENDING: 2018

SCHEDULE 6. PART C. DYNAMIC PRICING PROGRAMS
Number of Customers

INSTRUCTIONS: Report the number of customers participating in dynamic pricing programs, e.g. Time-of-Use-Pricing, Real-Time-Pricing, Variable Peak Pricing, Critical Peak Pricing Programs.

State/Territory ND Balancing Authority 56669

		Residential (a)	Commercial (b)	Industrial (c)	Transportatio (d)	Total (e)
1	Number of Customers enrolled in dynamic pricing programs, by customer class	35	831			866

Types of Dynamic Pricing Programs

INSTRUCTIONS: For each customer class, mark the types of dynamic pricing programs in which the customers are participating.

		Residential (a)	Commercial (b)	Industrial (c)	Transportatio (d)
2	Time-of-Use Pricing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3	Real-Time Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4	Variable Peak Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5	Critical Peak Pricing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6	Critical Peak Rebate	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

SCHEDULE 6. PART D. ADVANCED METERING

Only customers from schedule 4A and 4C need to be reported on this schedule.
 AMR- data transmitted one-way, to the utility.
 AMI- data transmitted in both directions, to the utility and customer

State	MN	Balancing Authority	56669				Total
			Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	(e)
1	Number of AMR Meters		1,170,629	127,918	11,451	15	1,310,013
2	Number of AMI Meters						
3	Number of AMI Meters with home area network (HAN) gateway enabled						
4	Number of non AMR/AMI Meters		22	1,596	278	1	1,897
5	Total Number of Meters (All Types), line 1+2+4		1,170,651	129,514	11,729	16	1,311,910
6	Energy Served Through AMI						
7	Number of Customers able to access daily energy usage through a webportal or other electronic means						0
8	Number of customers with direct load control		391,361	13,916	1,395	406,672	

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

SCHEDULE 6. PART D. ADVANCED METERING

Only customers from schedule 4A and 4C need to be reported on this schedule.
 AMR- data transmitted one-way, to the utility.
 AMI- data transmitted in both directions, to the utility and customer

State	ND	Balancing Authority	56669				Total
			Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	(e)
1		Number of AMR Meters	82,526	13,001	542		96,069
2		Number of AMI Meters					
3		Number of AMI Meters with home area network (HAN) gateway enabled					
4		Number of non AMR/AMI Meters	0	33	4		37
5		Total Number of Meters (All Types), line 1+2+4	82,526	13,034	546		96,106
6		Energy Served Through AMI					
7		Number of Customers able to access daily energy usage through a webportal or other electronic means					0
8		Number of customers with direct load control	12,359	516	20		12,895

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

SCHEDULE 6. PART D. ADVANCED METERING

Only customers from schedule 4A and 4C need to be reported on this schedule.
 AMR- data transmitted one-way, to the utility.
 AMI- data transmitted in both directions, to the utility and customer

State	SD	Balancing Authority	56669				Total
			Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	(e)
1		Number of AMR Meters	83,892	12,093	398		96,383
2		Number of AMI Meters					0
3		Number of AMI Meters with home area network (HAN) gateway enabled					
4		Number of non AMR/AMI Meters	0	2	0		2
5		Total Number of Meters (All Types), line 1+2+4	83,892	12,095	398		96,385
6		Energy Served Through AMI					
7		Number of Customers able to access daily energy usage through a webportal or other electronic means					0
8		Number of customers with direct load control	19,771	514	32		20,317

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2018

SCHEDULE 7. PART A. NET METERING

Net Metering programs allow customers to sell excess power they generated back to the electrical grid to offset consumption. Provide the information about programs by State balancing authority, customer class, and technology for all net metering applications.

State	MN	Balancing Authority	56669	Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	Total (e)
				19.087	16.966	8.121		44.174
				2,595	632	168		3,395
Photovoltaic								
								0.000
								0.000
Wind								0
								0.000
								0.000
Other								0
								0.000
								0.000
Total				19.087	16.966	8.121	0.000	44.174
				2,595	632	168	0	3,395
				0.000	0.000	0.000	0.000	0.000
Grand Total All States				19.087	16.966	8.121	0	44.174
				2595	632	168	0	3395
				0	0	0	0	0

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR Northern States Power Co - Minnesota

REPORT PERIOD ENDING:

SCHEDULE 7. PART B. NON NET-METERED DISTRIBUTED GENERATORS

If your company owns and/or operates a distribution system, please report information on known distributed generation (grid connected/synchronized) capacity on the system. Such capacity must be utility or customer-owned

NUMBER AND CAPACITY

State	Balancing Authority	< 1MW
1. Number of generators		3. Capacity that consists of backup-only units
2. Total combined capacity (MW)		4. Capacity owned by respondent

Capacity by Technology and Sector (MW)

	Residential	Commercial	Industrial	Transportation	Direct Connected	Total
5. Internal combustion						
6. Combustion turbine(s)						
7. Steam turbine(s)						
8. Fuel Cell(s)						
9. Hydroelectric						
10. Photovoltaic						
11. Storage						
12. Wind turbine(s)						
13. Other						
14. Total						

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781
 REPORT PERIOD ENDING: 2018

SCHEDULE 8. DISTRIBUTION SYSTEM INFORMATION

If your company owns a distribution system, please identify the names of the counties (parish, etc.) by State in which the electric wire/equipment are located.

LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)	LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)
1	MN - Anoka		21	MN - Lyon	
2	MN - Benton		22	MN - McLeod	
3	MN - Blue Earth		23	MN - Meeker	
4	MN - Brown		24	MN - Mower	
5	MN - Carver		25	MN - Murray	
6	MN - Chippewa		26	MN - Nicollet	
7	MN - Chisago		27	MN - Nobles	
8	MN - Clay		28	MN - Norman	
9	MN - Dakota		29	MN - Olmsted	
10	MN - Dodge		30	MN - Pine	
11	MN - Douglas		31	MN - Pipestone	
12	MN - Faribault		32	MN - Polk	
13	MN - Freeborn		33	MN - Pope	
14	MN - Goodhue		34	MN - Ramsey	
15	MN - Hennepin		35	MN - Redwood	
16	MN - Houston		36	MN - Renville	
17	MN - Kandiyohi		37	MN - Rice	
18	MN - Lac Qui Parle		38	MN - Rock	
19	MN - Le Sueur		39	MN - Scott	
20	MN - Lincoln		40	MN - Sherburne	

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781
 REPORT PERIOD ENDING: 2018

SCHEDULE 8. DISTRIBUTION SYSTEM INFORMATION

If your company owns a distribution system, please identify the names of the counties (parish, etc.) by State in which the electric wire/equipment are located.

LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)	LINE NO.	STATE (US Postal Abbreviation) (a)	COUNTY (Parish, Etc.) (b)
41	MN - Sibley		61	SD - Lincoln	
42	MN - Stearns		62	SD - McCook	
43	MN - Steele		63	SD - Miner	
44	MN - Todd		64	SD - Minnehaha	
45	MN - Wabasha		65	SD - Moody	
46	MN - Waseca		66	SD - Sanborn	
47	MN - Washington		67	SD - Turner	
48	MN - Watonwan				
49	MN - Wilkin				
50	MN - Winona				
51	MN - Wright				
52	MN - Yellow Medicine				
53	ND - Cass				
54	ND - Grand Forks				
55	ND - McHenry				
56	ND - Traill				
57	ND - Ward				
58	SD - Hanson				
59	SD - Hutchinson				
60	SD - Lake				

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2018

SCHEDULE 9. COMMENTS

SCHEDULE (a)	PART (b)	LINE NO. (c)	COLUMN (d)	NOTES (e)

7610.0600 F

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 03/31/2020
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REPORT FOR: Northern States Power Co - Minnesota 13781
 REPORT PERIOD ENDING: 2018

EIA861 ERROR LOG

Part	State	BA ID	Error No.	Error Description/Override Comment	Type	Override	
6	D	MN	56669	6045	Commercial Meter counts (Line 5) cannot be less than Commercial Customers (4A+4C). Advanced Meters (AMR/AMI) or non-AMR/AMI - "Standard Meters" (Line 4) maybe be missing. Please provide revised data. The difference between meter count data by customer class on Schedule 6 of the Form 861 and customer count data by customer class on Schedule 4 of the Form 861 is due to reporting differences between the metering departments and the department that handles the customer count information. The metering departments have their information disaggregated with more detail by customer class (which also would encompass premise locations), whereas the department that handles customer count has the information only available by residential and C&I. In preparation of the Form 861, we do our best to split out commercial and industrial customer count data from the `C&I? bucket, but due to the fact that this customer count reporting is designed for our billing and FERC reporting and the metering data is at a much different level of detail, there are differences between the two.	W	
6	D	SD	0	6111	The number of Industrial customers with direct load control on line 8 cannot be greater than number of Industrial customers on 4A plus 4C. Please provide revised data. The difference between meter count data by customer class on Schedule 6 of the Form 861 and customer count data by customer class on Schedule 4 of the Form 861 is due to reporting differences between the metering departments and the department that handles the customer count information. The metering departments have their information disaggregated with more detail by customer class (which also would encompass premise locations), whereas the department that handles customer count has the information only available by residential and C&I. In preparation of the Form 861, we do our best to split out commercial and industrial customer count data from the `C&I? bucket, but due to the fact that this customer count reporting is designed for our billing and FERC reporting and the metering data is at a much different level of detail, there are differences between the two.	W	
6	D	MN	0	6111	The number of Industrial customers with direct load control on line 8 cannot be greater than number of Industrial customers on 4A plus 4C. Please provide revised data. The difference between meter count data by customer class on Schedule 6 of the Form 861 and customer count data by customer class on Schedule 4 of the Form 861 is due to reporting differences between the metering departments and the department that handles the customer count information. The metering departments have their information disaggregated with more detail by customer class (which also would encompass premise locations), whereas the department that handles customer count has the information only available by residential and C&I. In preparation of the Form 861, we do our best to split out commercial and industrial customer count data from the `C&I? bucket, but due to the fact that this customer count reporting is designed for our billing and FERC reporting and the metering data is at a much different level of detail, there are differences between the two.	W	




MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION

INSTRUCTIONS

These worksheet tabs correspond closely to the tables in the forecast instructions received by the utility. The forecast instructions pertain to the data to be entered in each of the worksheet tabs.

PLEASE DO NOT CHANGE THE NAME OR ORDER OF ANY OF THE WORKSHEET TABS OR CHANGE THE NAME OF THIS WORKBOOK.

In general, the following color scheme is used on each worksheet:

-  Cells shown with a light green background correspond to headings for sections, columns, row, or individual fields on each worksheet tab.
-  **Cells shown with a light yellow background require data to be entered by the utility.**
-  Cells shown with a light brown background generally correspond to fields that are calculated from the data entered, or correspond to fields that are informational and not to be modified by the utility.

Each worksheet tab contains a section labeled "Comments" below the main data entry area.

You may enter any comments in that section to provide an explanation or clarification on the data entered; OR why data IS NOT being entered on the worksheet tab (for example: cells left blank).

Cells with automatic calculations (typically totals) are provided on some worksheets to assist with the accuracy of the data provided by the utility. It is recognized that there may be circumstances in which the data entered by the utility is more appropriate or accurate than the value in the corresponding automatically-calculated cell. If the value in the automatically-calculated cell does not match the value that your utility entered, please provide an explanation in the Comments area at the bottom of the worksheet tab.

Please complete the required worksheet tabs and save the completed workbook to your local computer.

Then attach the completed workbook to an email message, include your contact information, and send it to the following email address:

rule7610.reports@state.mn.us

If you have any questions please contact:

Anne Sell

MN Department of Commerce

rule7610.reports@state.mn.us

(651) 539-1851

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT - FORECAST SECTION**7610.0120 REGISTRATION**

ENTITY ID#	85
REPORT YEAR	2018

RILS ID#	
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UTILITY DETAILS	
UTILITY NAME	Xcel Energy
STREET ADDRESS	414 Nicollet Mall
CITY	Minneapolis
STATE	MN
ZIP CODE	55401
TELEPHONE	612-330-5500
Scroll down to see allowable UTILITY TYPES	
* UTILITY TYPE	PRIVATE

CONTACT INFORMATION	
CONTACT NAME	Jim G. Erickson
CONTACT TITLE	Regulatory Administrator
CONTACT STREET ADDRESS	414 Nicollet Mall
CITY	Minneapolis
STATE	MN
ZIP CODE	55401
TELEPHONE	612-330-5821
CONTACT E-MAIL	regulatory.records@xcelenergy.com

COMMENTS

PREPARER INFORMATION	(do not type "Same as Above")
PERSON PREPARING FORMS	Jim G. Erickson
PREPARER'S TITLE	Regulatory Administrator
DATE	7/1/2019
PREPARER'S EMAIL ADDRESS	jim.g.erickson@xcelenergy.com

ALLOWABLE UTILITY TYPES**Code**

Private

Public

Co-op

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

7610.0310 Item A. SYSTEM FORECAST OF ANNUAL ELECTRIC CONSUMPTION BY ULTIMATE CONSUMERS

Provide actual data for your entire system for the past year, your estimate for the present year and all future forecast years.
Please remember that the number of customers *should reflect the number of customers at year's end, not the number of meters.*

			FARM	NON-FARM RESIDENTIAL	COMMERCIAL	MINING *	INDUSTRIAL	STREET & HIGHWAY LIGHTING	OTHER	SYSTEM TOTALS	Calculated System Totals
Past Year	2018	No. of Customers	NA	1,536,955	197,854	NA	684	6703	2,630	1,744,826	1,744,826
		MWH	NA	12,434,988	18,293,536	NA	10,905,955	157,682	103,874	41,896,034	41,896,034
Present Year	2019	No. of Customers	NA	1,547,758	198,048	NA	672	6717	2,646	1,755,841	1,755,841
		MWH	NA	11,942,905	18,038,023	NA	10,330,543	143655.4094	100,165	40,555,291	40,555,291
1st Forecast Year	2020	No. of Customers	NA	1,558,697	199,068	NA	669	6842	2,644	1,767,920	1,767,920
		MWH	NA	11,985,316	18,014,457	NA	10,361,957	145080.1597	100,228	40,607,039	40,607,039
2nd Forecast Year	2021	No. of Customers	NA	1,569,632	200,148	NA	666	6970	2,643	1,780,059	1,780,059
		MWH	NA	11,983,172	17,866,313	NA	10,222,132	146280.825	100,268	40,318,165	40,318,165
3rd Forecast Year	2022	No. of Customers	NA	1,580,700	201,208	NA	665	7097	2,640	1,792,310	1,792,310
		MWH	NA	12,061,607	17,797,968	NA	10,176,075	147534.9319	100,359	40,283,544	40,283,544
4th Forecast Year	2023	No. of Customers	NA	1,591,407	202,249	NA	661	7210	2,638	1,804,165	1,804,165
		MWH	NA	12,157,892	17,671,921	NA	10,072,026	148708.587	100,372	40,150,920	40,150,920
5th Forecast Year	2024	No. of Customers	NA	1,601,803	203,275	NA	660	7322	2,635	1,815,695	1,815,695
		MWH	NA	12,261,830	17,594,660	NA	10,064,492	149913.4386	100,386	40,171,281	40,171,281
6th Forecast Year	2025	No. of Customers	NA	1,611,985	204,284	NA	657	7431	2,635	1,826,992	1,826,992
		MWH	NA	12,262,809	17,465,133	NA	10,030,437	150935.2908	100,390	40,009,704	40,009,704
7th Forecast Year	2026	No. of Customers	NA	1,622,287	205,270	NA	656	7538	2,632	1,838,383	1,838,383
		MWH	NA	12,312,077	17,412,745	NA	10,046,935	152017.7383	100,457	40,024,232	40,024,232
8th Forecast Year	2027	No. of Customers	NA	1,632,517	206,227	NA	655	7644	2,630	1,849,673	1,849,673
		MWH	NA	12,372,901	17,465,722	NA	10,121,723	153079.8681	100,454	40,213,881	40,213,881
9th Forecast Year	2028	No. of Customers	NA	1,642,629	207,148	NA	653	7744	2,627	1,860,801	1,860,801
		MWH	NA	12,535,991	17,673,405	NA	10,294,362	154207.4711	100,457	40,758,422	40,758,422
10th Forecast Year	2029	No. of Customers	NA	1,651,718	208,046	NA	651	7842	2,626	1,870,883	1,870,883
		MWH	NA	12,462,524	17,621,591	NA	10,304,757	155138.5235	100,454	40,644,464	40,644,464
11th Forecast Year	2030	No. of Customers	NA	1,660,922	208,925	NA	650	7936	2,623	1,881,056	1,881,056
		MWH	NA	12,448,614	17,692,261	NA	10,386,909	156128.1351	100,517	40,784,429	40,784,429
12th Forecast Year	2031	No. of Customers	NA	1,670,942	209,781	NA	647	8028	2,621	1,892,019	1,892,019
		MWH	NA	12,449,720	17,694,527	NA	10,414,625	157092.1712	100,510	40,816,475	40,816,475
13th Forecast Year	2032	No. of Customers	NA	1,681,204	210,621	NA	647	8116	2,618	1,903,206	1,903,206
		MWH	NA	12,619,658	17,847,807	NA	10,536,100	158123.6264	100,511	41,262,200	41,262,200
14th Forecast Year	2033	No. of Customers	NA	1,691,977	211,445	NA	645	8202	2,617	1,914,886	1,914,886
		MWH	NA	12,710,020	17,891,801	NA	10,595,363	158952.593	100,508	41,456,643	41,456,643

* MINING needs to be reported as a separate category only if annual sales are greater than 1,000 GWH. Otherwise, include MINING in the INDUSTRIAL category.

COMMENTS

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

7610.0310 Item A. MINNESOTA-ONLY FORECAST OF ANNUAL ELECTRIC CONSUMPTION BY ULTIMATE CONSUMERS

Provide actual data for your Minnesota service area only, for the past year, your best estimate for the present year and all future forecast years. Please remember that the number of customers should reflect the **actual number of customers** the utility has in that category at year's end, **not the number of meters**.

			FARM	NON-FARM RESIDENTIAL	COMMERCIAL	MINING *	INDUSTRIAL	STREET & HIGHWAY LIGHTING	OTHER	MN-ONLY TOTALS	Calculated MN-Only Totals
Past Year	2018	No. of Customers	NA	1,154,330	132,981	NA	511	5207	2,039	1,295,068	1,295,068
		MWH	NA	8,905,592	13,225,312	NA	8,127,676	113,974	76,819	30,449,373	30,449,373
Present Year	2019	No. of Customers	NA	1,162,246	133,069	NA	500	5232	2,047	1,303,094	1,303,094
		MWH	NA	8,549,795	13,033,694	NA	7,596,799	98755.20742	73,873	29,352,916	29,352,916
1st Forecast Year	2020	No. of Customers	NA	1,170,594	133,617	NA	496	5342	2,048	1,312,097	1,312,097
		MWH	NA	8,580,360	13,009,693	NA	7,621,983	99779.33861	73,901	29,385,717	29,385,717
2nd Forecast Year	2021	No. of Customers	NA	1,178,991	134,235	NA	493	5455	2,048	1,321,222	1,321,222
		MWH	NA	8,582,413	12,880,831	NA	7,492,870	100738.2331	73,958	29,130,810	29,130,810
3rd Forecast Year	2022	No. of Customers	NA	1,187,544	134,842	NA	490	5566	2,048	1,330,490	1,330,490
		MWH	NA	8,645,744	12,823,852	NA	7,451,720	101673.0095	74,040	29,097,030	29,097,030
4th Forecast Year	2023	No. of Customers	NA	1,195,742	135,438	NA	486	5664	2,048	1,339,378	1,339,378
		MWH	NA	8,719,027	12,704,464	NA	7,350,305	102526.8213	74,043	28,950,367	28,950,367
5th Forecast Year	2024	No. of Customers	NA	1,203,592	136,023	NA	484	5761	2,048	1,347,908	1,347,908
		MWH	NA	8,794,994	12,624,021	NA	7,337,448	103325.206	74,020	28,933,808	28,933,808
6th Forecast Year	2025	No. of Customers	NA	1,211,250	136,597	NA	481	5855	2,049	1,356,232	1,356,232
		MWH	NA	8,803,159	12,515,616	NA	7,315,019	104106.1487	74,041	28,811,941	28,811,941
7th Forecast Year	2026	No. of Customers	NA	1,219,069	137,159	NA	479	5947	2,049	1,364,703	1,364,703
		MWH	NA	8,845,220	12,475,960	NA	7,337,342	104867.4499	74,098	28,837,488	28,837,488
8th Forecast Year	2027	No. of Customers	NA	1,226,941	137,711	NA	477	6037	2,049	1,373,215	1,373,215
		MWH	NA	8,895,092	12,536,567	NA	7,415,682	105608.0914	74,084	29,027,034	29,027,034
9th Forecast Year	2028	No. of Customers	NA	1,234,690	138,250	NA	474	6123	2,049	1,381,586	1,381,586
		MWH	NA	9,036,101	12,740,176	NA	7,583,928	106324.3488	74,048	29,540,578	29,540,578
10th Forecast Year	2029	No. of Customers	NA	1,241,548	138,778	NA	472	6206	2,049	1,389,053	1,389,053
		MWH	NA	8,964,190	12,692,816	NA	7,604,160	107016.1623	74,061	29,442,242	29,442,242
11th Forecast Year	2030	No. of Customers	NA	1,248,568	139,294	NA	470	6286	2,049	1,396,667	1,396,667
		MWH	NA	8,940,379	12,756,096	NA	7,689,234	107683.1893	74,112	29,567,504	29,567,504
12th Forecast Year	2031	No. of Customers	NA	1,256,323	139,798	NA	467	6363	2,049	1,405,000	1,405,000
		MWH	NA	8,929,843	12,740,474	NA	7,716,456	108324.4846	74,093	29,569,190	29,569,190
13th Forecast Year	2032	No. of Customers	NA	1,264,195	140,289	NA	465	6437	2,049	1,413,435	1,413,435
		MWH	NA	9,077,282	12,864,085	NA	7,829,084	108940.0421	74,055	29,953,445	29,953,445
14th Forecast Year	2033	No. of Customers	NA	1,272,602	140,769	NA	463	6508	2,049	1,422,391	1,422,391
		MWH	NA	9,169,642	12,906,129	NA	7,897,299	109532.5882	74,065	30,156,668	30,156,668

* MINING needs to be reported as a separate category only if annual sales are greater than 1,000 GWH. Otherwise, include MINING in the INDUSTRIAL category.

COMMENTS

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

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

7610.0310 Item B. FORECAST OF ANNUAL SYSTEM CONSUMPTION AND GENERATION DATA (Express in MWH)

NOTE: (Column 1 + Column 2) = (Column 3 + Column 5) - (Column 4 + Column 6)

It is recognized that there may be circumstances in which the data entered by the utility is more appropriate or accurate than the value in the corresponding automatically-calculated cell. If the value in the automatically-calculated cell does not match the value that your utility entered, please provide an explanation in the Comments area at the bottom of the worksheet tab.

	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	CALCULATED (GENERATION + RECEIVED) MINUS (RESALE + LOSSES) MINUS (CONSUMPTION) SHOULD EQUAL ZERO
	CONSUMPTION BY ULTIMATE CONSUMERS IN MINNESOTA MWH [7610.0310 B(1)]	CONSUMPTION BY ULTIMATE CONSUMERS OUTSIDE OF MINNESOTA MWH [7610.0310 B(2)]	RECEIVED FROM OTHER UTILITIES MWH [7610.0310 B(3)]	DELIVERED FOR RESALE MWH [7610.0310 B(4)]	TOTAL ANNUAL NET GENERATION MWH [7610.0310 B(5)]	TRANSMISSION LINE SUBSTATION AND DISTRIBUTION LOSSES MWH [7610.0310 B(6)]	TOTAL WINTER CONSUMPTION MWH [7610.0310 B(7)]	TOTAL SUMMER CONSUMPTION MWH [7610.0310 B(7)]	
			[TRADE SECRET DATA BEGINS]						
Past Year 2018	30,449,373	11,446,661			39,923,909	3,091,456	19,898,550	21,997,484	0
Present Year 2019	29,352,916	11,202,375			36,624,555	3,167,790	19,538,273	21,017,018	0
1st Forecast Year 2020	29,385,717	11,221,322			38,296,862	3,173,676	19,621,722	20,985,317	0
2nd Forecast Year 2021	29,130,810	11,187,355			37,258,715	3,149,511	19,422,459	20,895,706	0
3rd Forecast Year 2022	29,097,030	11,186,514			37,595,824	3,146,689	19,404,758	20,878,786	0
4th Forecast Year 2023	28,950,367	11,200,553			38,613,171	3,136,475	19,339,502	20,811,418	0
5th Forecast Year 2024	28,933,808	11,237,473			37,098,272	3,139,909	19,411,224	20,760,058	0
6th Forecast Year 2025	28,811,941	11,197,764			38,561,145	3,125,444	19,272,714	20,736,991	0
7th Forecast Year 2026	28,837,488	11,186,744			38,579,947	3,126,313	19,278,780	20,745,452	0
8th Forecast Year 2027	29,027,034	11,186,847			37,356,187	3,140,575	19,370,617	20,843,263	0
9th Forecast Year 2028	29,540,578	11,217,844			37,162,324	3,183,763	19,694,912	21,063,510	0
10th Forecast Year 2029	29,442,242	11,202,222			36,564,217	3,172,830	19,579,080	21,065,384	0
11th Forecast Year 2030	29,567,504	11,216,925			36,746,696	3,183,129	19,647,074	21,137,354	0
12th Forecast Year 2031	29,569,190	11,247,285			37,484,504	3,185,237	19,662,702	21,153,772	0
13th Forecast Year 2032	29,953,445	11,308,754			37,952,071	3,220,712	19,939,747	21,322,453	0
14th Forecast Year 2033	30,156,668	11,299,975			38,158,838	3,233,036	19,971,422	21,485,221	0

TRADE SECRET DATA ENDS

COMMENTS

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

7610.0310 Item C. PEAK DEMAND BY ULTIMATE CONSUMERS AT THE TIME OF ANNUAL SYSTEM PEAK (in MW)

		FARM	NON-FARM RESIDENTIAL	COMMERCIAL	MINING	INDUSTRIAL	STREET & HIGHWAY LIGHTING	OTHER	SYSTEM TOTALS	Calculated System Totals
Last Year Peak Day	2018	NA	2,875	3,831	NA	2,219	-	20	8,944	8944.0

7610.0310 Item D. PEAK DEMAND BY MONTH FOR THE LAST CALENDAR YEAR (in MW)

		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
Last Year	2018	6,536	6,267	5,717	5,675	8,246	8,944	8,835	8,527	7,500	5,738	6,058	6,104

COMMENTS	

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

**PUBLIC DOCUMENT - NOT I
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7610.0310 Item E. PART 1: FIRM PURCHASES (Express in MegaWatts)

[PROTECTED DATA BEGINS

NAME OF OTHER UTILITY =>										
Past Year	2018	Summer								
		Winter								
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		Winter								
1st Forecast Year	2020	Summer								
		Winter								
2nd Forecast Year	2021	Summer								
		Winter								
3rd Forecast Year	2022	Summer								
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14th Forecast Year	2033	Summer								
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PROTECTED DATA ENDS]

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PUBLIC (OR PRIVILEGED)

7610.0310 Item E. PART 1: FIRM PURCHASE DATA HAS BEEN EXCISED

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		Winter	
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		Winter	
1st Forecast Year	2020	Summer	
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2nd Forecast Year	2021	Summer	
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3rd Forecast Year	2022	Summer	
		Winter	
4th Forecast Year	2023	Summer	
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5th Forecast Year	2024	Summer	
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14th Forecast Year	2033	Summer	
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MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

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7610.0310 Item E. PART 2: FIRM SALES (Express in MegaWatts)

[PROTECTED DATA BEGINS

NAME OF OTHER UTILITY =>			[PROTECTED DATA BEGINS]																	
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Present Year	2019	Summer																		
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7610.0310 Item E. PART 2: FIRM SALES DATA EXCISED

NAME OF OTHER UTILITY =>		
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Present Year	2019	Summer
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1st Forecast Year	2020	Summer
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2nd Forecast Year	2021	Summer
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		Winter
4th Forecast Year	2023	Summer
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13th Forecast Year	2032	Summer
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14th Forecast Year	2033	Summer
		Winter

[PROTECTED DATA]

COMMENTS



MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

P

7610.0310 Item F. PART 1: PARTICIPATION PURCHASES (Express in MegaWatts)

[PROTECTED DATA BEGINS]

NAME OF OTHER UTILITY =>			[PROTECTED DATA BEGINS]																	
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Present Year	2019	Summer																		
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COMMENTS

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**MINNESOTA ELECTRIC PUBLIC DOCUMENT - NOT PUBLIC (OR PRIVILEGED)
DATA HAS BEEN EXCISED**

7610.0310 Item F. PART 1: PARTICIP

NAME OF OTHER UTILITY =>						
Past Year	2018	Summer				
		Winter				
Present Year	2019	Summer				
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1st Forecast Year	2020	Summer				
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14th Forecast Year	2033	Summer				
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COMMENTS

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MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

**PUBLIC DOCUMENT - NOT I
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7610.0310 Item F. PART 2: PARTICIPATION SALES (Express in MegaWatts)

[PROTECTED DATA BEGINS

NAME OF OTHER UTILITY =>									
Past Year	2018	Summer							
		Winter							
Present Year	2019	Summer							
		Winter							
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13th Forecast Year	2032	Summer							
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14th Forecast Year	2033	Summer							
		Winter							

COMMENTS
The sales values on this worksheet are accounted for in column 4 of the Load & Gen Cap worksheet.

MINNESOTA ELECTRIC U

PUBLIC (OR PRIVILEGED)

7610.0310 Item F. PART 2: PARTICIPANT DATA HAS BEEN EXCISED

NAME OF OTHER UTILITY =>				
Past Year	2018	Summer		
		Winter		
Present Year	2019	Summer		
		Winter		
1st Forecast Year	2020	Summer		
		Winter		
2nd Forecast Year	2021	Summer		
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12th Forecast Year	2031	Summer		
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13th Forecast Year	2032	Summer		
		Winter		
14th Forecast Year	2033	Summer		
		Winter		

PROTECTED DATA ENDS]

COMMENTS
The sales values on th

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

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7610.0310 Item G. LOAD AND GENERATION CAPACITY (Express in MW)

			Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12
			Generation Zonal Resource Credits (ZRCs)	Demand Response ZRCs	ZRC Purchases	ZRC Sales	Total ZRCs [1 + 2 + 3 - 4]	Forecasted Non-Coincident Peak Demand for NSP System	Energy Efficiency Adjustment to Base Demand Forecast	Adjusted Forecasted Non-Coincident Summer Peak Demand for NSP System [6]	Coincidence Factor with MISO Peak Demand	Forecasted Demand Coincident with MISO Peak [Summer: 8 x 9] [Winter: 6 x 9]	Firm Purchases	Firm Sales
			PROTECTED DATA BEGINS											
Past Year	2018	Summer												
		Winter												
Present Year	2019	Summer												
		Winter												
1st Forecast Year	2020	Summer												
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14th Forecast Year	2033	Summer												
		Winter												

PROTECTED DATA BEGINS

COMMENTS

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**MINNESOTA ELECTRIC UTILITIES CORPORATION - NOT PUBLIC (OR PRIVILEGED)
DATA HAS BEEN EXCISED**

7610.0310 Item G. LOAD AND GENERATION

		Column 13	Column 14	Column 14
		Total Load Serving Obligation [10 - 11 + 12]	Capacity Obligation (Column 13 plus planning reserves: 8.4% in 2018, and 7.9% in 2019 and beyond)	Total System Surplus/Deficit [5 - 14]
Past Year	2018	Summer		
		Winter		
Present Year	2019	Summer		
		Winter		
1st Forecast Year	2020	Summer		
		Winter		
2nd Forecast Year	2021	Summer		
		Winter		
3rd Forecast Year	2022	Summer		
		Winter		
4th Forecast Year	2023	Summer		
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5th Forecast Year	2024	Summer		
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7th Forecast Year	2026	Summer		
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8th Forecast Year	2027	Summer		
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9th Forecast Year	2028	Summer		
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10th Forecast Year	2029	Summer		
		Winter		
11th Forecast Year	2030	Summer		
		Winter		
12th Forecast Year	2031	Summer		
		Winter		
13th Forecast Year	2032	Summer		
		Winter		
14th Forecast Year	2033	Summer		
		Winter		

PROTECTED DATA ENDS]

[PROTECTED DATA BEGINS]

COMMENTS

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PROTECTED DATA ENDS]

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

7610.0310 Item H. ADDITIONS AND RETIREMENTS (Express in MW)

	ADDITIONS	RETIREMENTS
Past Year 2018		
Present Year 2019	654	76
1st Forecast Year 2020	222	76
2nd Forecast Year 2021	181	2
3rd Forecast Year 2022	4	8
4th Forecast Year 2023	451	50
5th Forecast Year 2024	4	847
6th Forecast Year 2025	4	1,165
7th Forecast Year 2026	4	211
8th Forecast Year 2027	1,053	1,185
9th Forecast Year 2028	4	36
10th Forecast Year 2029	4	15
11th Forecast Year 2030	646	610
12th Forecast Year 2031	204	47
13th Forecast Year 2032	325	273
14th Forecast Year 2033	848	508

COMMENTS		
Additions and Retirements are expressed in anticipated UCAP values based on 18-765 Dakota Range III Strategist data		
<i>Note: Addition year reflect the first summer with accredited generation</i>		
<u>Year of Addition:</u>		<u>MW</u>
2019 Black Dog 6 (230 MW)		216
2019 Calpine MEC2 (375 MW)		358
2019 Solar - CSG		80
2020 Wind (1300 MW)		201
2020 Solar - CSG		21
2021 Manitoba Hydro (125 MW)		122
2021 Solar - CSG		4
2021 Wind (350 MW)		55
2022 Solar - CSG		4
2023 Demand Response (400 MW)		400
2023 Solar - CSG		4
2023 Wind (300 MW)		47
2024 Solar - CSG		4
2025 Solar - CSG		4
2026 Solar - CSG		4
2027 CT's (350 MW)		321
2027 Sherco CC (786 MW)		728
2027 Solar - CSG		4
2028 Solar - CSG		4
2029 Solar - CSG		4
2030 CT's (700 MW)		642
2030 Solar - CSG		4
2031 Solar - CSG		4
2031 CT's (225 MW)		200
2032 Solar - CSG		4
2032 CT's (350 MW)		321
2033 Solar - CSG		4
2033 CC's (900 MW)		844
<i>Note: Retirement year reflect the first summer without accredited generation</i>		
<u>First Year Following Retirement:</u>		<u>MW</u>
2019 Granite City		51
2019 Bayfront (Unit 4)		3
2019 Renewable PPAs		22
2020 Manitoba Hydro (75 MW)		73
2020 Renewable PPAs		3
2021 Renewable PPAs		2
2022 Renewable PPAs		8
2023 St. Paul CoGen		24
2023 Renewable PPAs		26
2024 Blue Lake		156
2024 Sherco 2		691
2025 Invernergy		312
2025 Manitoba Hydro (350 MW)		342
2025 Manitoba Hydro (500 MW)		485
2025 Renewable PPAs		26
2026 Wheaton		206
2026 Renewable PPAs		5
2027 Sherco 1		681
2027 Renewable PPAs		16
2027 Chemolite-LSPower		233
2027 Inver Hills		255
2028 Red Wing		16
2028 Wilmarth		16
2028 Renewable PPAs		4
2029 Renewable PPAs		15
2030 Monticello		610
2031 Renewable PPAs		47
2032 Black Dog CC		254
2032 Renewable PPAs		19
2033 Prairie Island 1		508

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

Please use the appropriate code for the fuel type as shown in the list at the bottom of the worksheet.

		FUEL TYPE 1		FUEL TYPE 2		FUEL TYPE 3		FUEL TYPE 4	
		Name of Fuel	Coal	Name of Fuel	NUC	Name of Fuel	REF	Name of Fuel	NG
		Unit of Measure	mmBtu	Unit of Measure	mmBtu	Unit of Measure	mmBtu	Unit of Measure	mmBtu
		QUANTITY OF FUEL USED	NET GWH GENERATED	QUANTITY OF FUEL USED	NET GWH GENERATED	QUANTITY OF FUEL USED	NET GWH GENERATED	QUANTITY OF FUEL USED	NET GWH GENERATED
PROTECTED DATA BEGINS									
Past Year	2018								
Present Year	2019								
1st Forecast Year	2020								
2nd Forecast Year	2021								
3rd Forecast Year	2022								
4th Forecast Year	2023								
5th Forecast Year	2024								
6th Forecast Year	2025								
7th Forecast Year	2026								
8th Forecast Year	2027								
9th Forecast Year	2028								
10th Forecast Year	2029								
11th Forecast Year	2030								
12th Forecast Year	2031								
13th Forecast Year	2032								
14th Forecast Year	2033								

LIST OF FUEL TYPES

- | | | |
|---------------------------------------|-------------------------------------|---------------------|
| BIT - Bituminous Coal | LPG - Liquefied Propane Gas | HYD - Hydro (water) |
| COAL - Coal (general) | NG - Natural Gas | WIND - Wind |
| DIESEL - Diesel | NUC - Nuclear | WOOD - Wood |
| FO2 - Fuel Oil #2 (Mid-distillate) | REF - Refuse, Bagasse, Peat, Non-wo | SOLAR - Solar |
| FO6 - Fuel Oil #6 (Residual fuel oil) | STM - Steam | |
| LIG - Lignite | SUB - Sub-bituminous coal | |

COMMENTS

Energy Production is in GWh not MWh, NG Energy Production and Fuel Consumption includes tolling units.
Data Source: Business as Usual Scenario of the 2020-2034 IRP (filed 7/1/2019) Note, this forecast reflects approved and existing resources, with solar and natural gas additions.

MINNESOTA ELECTRIC

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

7610.0430 FUEL REQUIREMENTS

		FUEL TYPE 5		FUEL TYPE 6		FUEL TYPE 7		FUEL TYPE 7	
		Name of Fuel	Oil	Name of Fuel	HYD	Name of Fuel	Wind	Name of Fuel	Solar
		Unit of Measure	mmBtu	Unit of Measure	mmBtu	Unit of Measure	mmBtu	Unit of Measure	mmBtu
		QUANTITY OF FUEL USED	NET GWH GENERATED	QUANTITY OF FUEL USED	NET GWH GENERATED	QUANTITY OF FUEL USED	NET GWH GENERATED	QUANTITY OF FUEL USED	NET GWH GENERATED
Past Year	2018								
Present Year	2019								
1st Forecast Year	2020								
2nd Forecast Year	2021								
3rd Forecast Year	2022								
4th Forecast Year	2023								
5th Forecast Year	2024								
6th Forecast Year	2025								
7th Forecast Year	2026								
8th Forecast Year	2027								
9th Forecast Year	2028								
10th Forecast Year	2029								
11th Forecast Year	2030								
12th Forecast Year	2031								
13th Forecast Year	2032								
14th Forecast Year	2033								
								PROTECTED DATA ENDS]	

COMMENT
Energy P
Data Sou
gas addit

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continued)

7610.0500 TRANSMISSION LINES

Subpart 1. **Existing transmission lines.** Each utility shall report the following information in regard to each transmission line of 200 kilovolts now in existence:

- A. a map showing the location of each line;
- B. the design voltage of each line;
- C. the size and type of conductor;
- D. the approximate location of d.c. terminals or a.c. substations; and
- E. the approximate length of each line in Minnesota.

Subpart 2. **Transmission line additions.** Each generating and transmission utility, as defined in part 7610.0100, shall report the information required in subpart 1 for all future transmission lines over 200 kilovolts that the utility plans to build within the next 15 years.

Subpart 3. **Transmission line retirements.** Each generating and transmission utility, as defined in part 7610.0100, shall identify all present transmission lines over 200 kilovolts that the utility plans to retire within the next 15 years.

In Use (enter X for selection)	To Be Built (enter X for selection)	To Be Retired (enter X for selection)	DESIGN VOLTAGE	SIZE OF CONDUCTOR	TYPE OF CONDUCTOR	D.C. OR A.C. (specify)	LOCATION OF D.C. TERMINALS OR A.C. SUBSTATIONS	INDICATE YEAR IF "TO BE BUILT" OR "RETIRED"	LENGTH IN MINNESOTA (miles)
X			500 kV	3-1192 kcmil	ACSR	A.C.	Forbes - Chisago North		139.20
X			500 kV	3-1192 kcmil	ACSR	A.C.	Forbes - Roseau County South		192.70
X			500 kV	3-1192 kcmil	ACSR	A.C.	Riel(Manitoba Hyd) - Roseau Co N		10.20
X			500 kV	3-1192 kcmil	ACSR	A.C.	Roseau Middle - Roseau Co N		0.10
X			500 kV	3-1192 kcmil	ACSR	A.C.	Roseau Middle - Roseau Co S		0.10
X			345 kV	2-795 kcmil	ACSR	A.C.	Adams - Mitchell Co (ITC)		78.60
X			345 kV	2-795 kcmil	ACSR	A.C.	Adams - Pleasant Valley		16.90
X			345 kV	2-795 kcmil	ACSR	A.C.	Arpin (WP&L) - Eau Claire		80.00
X			345 kV	2-795 kcmil	ACSR	A.C.	A.S. King - Chisago County		38.00
X			345 kV	2-795 kcmil	ACSR	A.C.	A.S. King - Eau Claire		63.00
X			345 kV	2-795 kcmil	ACSR	A.C.	A.S. King - Kohlman Lake		12.70
X			345 kV	2-795 kcmil	ACSR	A.C.	A.S. King - Red Rock		25.81
X			345 kV	1192 kcmil	ACSR	A.C.	Benton Co (GRE) - Sherburne Co		20.70
X			345 kV	2-954 kcmil	ACSS/TW	A.C.	Briggs Road - North Rochester		43.50
X			345 kV	2-954 kcmil	ACSS/TW	A.C.	Bison - Alexandria Switching Stat.		77.50
X			345 kV	2-795 kcmil	ACSR	A.C.	Blue Lake - Eden Prairie		5.50
X			345 kV	2-795 kcmil	ACSR	A.C.	Blue Lake - Parkers Lake		14.90
X			345 kV	2-795 kcmil	ACSR	A.C.	Blue Lake - Scott County		27.50
X			345 kV	2-795 kcmil	ACSS	A.C.	Brookings Co - White (WAPA)		0.43
X			345 kV	2-795 kcmil	ACSS	A.C.	Brookings Co - White (WAPA) (2)		0.43
X			345 kV	2-954 kcmil	ACSR	A.C.	Bunker Lake (GRE) - Coon Creek		6.80
X			345 kV	2-795 kcmil	ACSR	A.C.	Byron - North Rochester		13.60
X			345 kV	2-795 kcmil	ACSR	A.C.	Byron - Pleasant Valley		16.30
X			345 kV	2-795 kcmil	ACSR	A.C.	Crandal - Fieldon South		19.70
X			345 kV	2-795 kcmil	ACSR	A.C.	Crandal - Lakefield Gen SW		5.01
X			345 kV	2-795 kcmil	ACSR	A.C.	Chisago Co - Kohlman Lake		37.70
X			345 kV	2-954 kcmil	ACSR	A.C.	Coon Creek - Dickinson (GRE)		26.70
X			345 kV	2-795 kcmil	ACSR	A.C.	Coon Creek - Kohlman Lake		8.30
X			345 kV	2-954 kcmil	ACSR	A.C.	Coon Creek - Sherburne Co (1)		41.40
X			345 kV	2-954 kcmil	ACSR	A.C.	Coon Creek - Sherburne Co (3)		43.40
X			345 kV	2-795 kcmil	ACSR	A.C.	Coon Creek - Terminal		13.70
X			345 kV	2-954 kcmil	ACSR	A.C.	Dickinson (GRE) - Parkers Lake		28.40
X			345 kV	2-954 kcmil	ACSR	A.C.	Elm Creek - Monticello		39.0
X			345 kV	2-954 kcmil	ACSR	A.C.	Elm Creek - Parkers Lake		11.00
X			345 kV	2-795 kcmil	ACSR	A.C.	Eden Prairie - Parkers Lake		9.50

In Use (enter X for selection)	To Be Built (enter X for selection)	To Be Retired (enter X for selection)	DESIGN VOLTAGE	SIZE OF CONDUCTOR	TYPE OF CONDUCTOR	D.C. OR A.C. (specify)	LOCATION OF D.C. TERMINALS OR A.C. SUBSTATIONS	INDICATE YEAR IF "TO BE BUILT" OR "RETIRED"	LENGTH IN MINNESOTA (miles)
X			345 kV	2-795 kcmil	ACSR	A.C.	Fieldon North - Wilmarth		32.10
X			345 kV	2-954 kcmil	ACSR	A.C.	Hampton Corners - Blue Lake		5.83
X			345 kV	2-954 kcmil	ACSS TW	A.C.	Hampton Corners - Chub Lake (GRE)		18.40
X			345 kV	2-795 kcmil	TACSR/VR2	A.C.	Hampton Corners - North Rochester		77.50
X			345 kV	2-954 kcmil	ACSR	A.C.	Hampton Corners - Prairie Island		19.60
X			345 kV	2-954 kcmil	ACSS TW	A.C.	Helena - Chub Lake (GRE)		20.63
X			345 kV	2-954 kcmil	ACSS TW	A.C.	Helena - Cedar Mountain (GRE) (1)		72.97
X			345 kV	2-954 kcmil	ACSS TW	A.C.	Helena - Cedar Mountain (GRE) (2)		72.97
X			345 kV	2-795 kcmil	ACSR	A.C.	Helena - Sheas Lake		54.80
X			345 kV	2-795 kcmil	ACSR	A.C.	Inver Hills - Blue Lake		24.50
X			345 kV	2-795 kcmil	ACSR	A.C.	Kohilman Lake - Terminal		10.30
X			345 kV	2-795 kcmil	ACSR	A.C.	Lakefield Jct - Lakefield Gen SW		18.80
X			345 kV	2-954 kcmil	ACSS/TW	A.C.	Lakefield Jct - Nobles County		35.96
X			345 kV	2-954 kcmil	ACSS/TW	A.C.	Lyon Co - Cedar Mountain (GRE) (1)		49.49
X			345 kV	2-954 kcmil	ACSS/TW	A.C.	Lyon Co - Cedar Mountain (GRE) (2)		49.49
X			345 kV	2-954 kcmil	ACSS	A.C.	Lyon Co - Hazel Creek		24.32
X			345 kV	2-795 kcmil	ACSR	A.C.	Mankato Energy Center - Wilmarth		0.22
X			345 kV	2-954 kcmil	ACSR	A.C.	Monticello - Sherburne Co		5.80
X			345 kV	2-954 kcmil	ACSS/TW	A.C.	Nobles County - Split Rock		5.10
X			345 kV	2-795 kcmil	ACSR	A.C.	North Rochester - Prairie Island		49.50
X			345 kV	2-795 kcmil	ACSR	A.C.	Prairie Island - Red Rock (1)		32.30
X			345 kV	2-795 kcmil	ACSR	A.C.	Prairie Island - Red Rock (2)		32.20
X			345 kV	2-954 kcmil	ACSS/TW	A.C.	Quarry - Alexandria Switching Station		77.50
X			345 kV	2-954 kcmil	ACSS/TW	A.C.	Quarry - Monticello		28.80
X			345 kV	2-795 kcmil	ACSR	A.C.	Red Rock - Inver Hills		8.50
X			345 kV	2-795 kcmil	ACSR	A.C.	Scott County - Helena		27.50
X			345 kV	2-954 kcmil	ACSR	A.C.	Sherburne Co - Bunker Lake (GRE)		36.90
X			345 kV	2-954 kcmil	ACSS/TW	A.C.	Sioux City (WAPA) - Split Rock		5.10
X			345 kV	2-954 kcmil	ACSR	A.C.	Split Rock - White (WAPA)		5.10
X			345 kV	2-795 kcmil	ACSR	A.C.	Sheas Lake - Wilmarth		54.80
X			230 kV	795 kcmil	ACSR	A.C.	Auduban (OTP) - Hubbard		49.90
X			230 kV	795 kcmil	ACSR	A.C.	Lake Park - Sheyenne		43.50
X			230 kV	795 kcmil	ACSR	A.C.	Benton Co (GRE) - Monticello		21.60
X			230 kV	795 kcmil	ACSR	A.C.	Blue Lake - McLeod (GRE)		14.10
X			230 kV	795 kcmil	ACSS	A.C.	Boswell (MP) - Zemple (MP)		7.32
X			230 kV	795 kcmil	ACSS	A.C.	Cass Lake (OTP) - Wilton (MPC)		19.30
X			230 kV	795 kcmil	ACSR	A.C.	Drayton(MPC) - Letellier(Manitoba Hyd)		23.00
X			230 kV	795 kcmil	ACSR	A.C.	Fargo Tap (OTP) - Sheyenne		4.20
X			230 kV	795 kcmil	ACSR	A.C.	Frontier - Maple River		53.60
X			230 kV	795 kcmil	ACSR	A.C.	Frontier - Wahpeton		10.00
X			230 kV	954 kcmil	ACSR	A.C.	Glenborough - Peace Garden		51.50
X			230 kV	954 kcmil	ACSR	A.C.	Grand Forks (WAPA) - Prairie		6.80
X			230 kV	954 kcmil	ACSR	A.C.	Granite Falls (WAPA) - Minn Valley		2.60
X			230 kV	795 kcmil	ACSR	A.C.	Granite Falls (WAPA) - Minn Valley Tap		2.50
X			230 kV	795 kcmil	ACSR	A.C.	McLeod (GRE) - Panther (GRE)		28.50
X			230 kV	2-954 kcmil	ACSR	A.C.	Minn Valley - Hazel Creek		5.10
X			230 kV	795 kcmil	ACSR	A.C.	Minn Valley - Minn Valley Tap		0.20
X			230 kV	795 kcmil	ACSR	A.C.	Minn Valley Tap - Panther (GRE)		30.20
X			230 kV	795 kcmil	ACSR	A.C.	Maple River - Sheyenne		6.60
X			230 kV	795 kcmil	ACSR	A.C.	Paynesville Tran - Willmar		29.70
X			230 kV	954 kcmil	ACSR	A.C.	Peace Garden - Borders Wind Farm		1.00
X			230 kV	954 kcmil	ACSR	A.C.	Peace Garden - Rugby		54.40
X			230 kV	795 kcmil	ACSR	A.C.	Rock Creek - Bear Creek (GRE)		24.40

In Use (enter X for selection)	To Be Built (enter X for selection)	To Be Retired (enter X for selection)	DESIGN VOLTAGE	SIZE OF CONDUCTOR	TYPE OF CONDUCTOR	D.C. OR A.C. (specify)	LOCATION OF D.C. TERMINALS OR A.C. SUBSTATIONS	INDICATE YEAR IF "TO BE BUILT" OR "RETIRED"	LENGTH IN MINNESOTA (miles)
X			230 kV	795 kcmil	ACSR	A.C.	Rock Creek - Rush City (GRE)		8.80
X			230 kV	795 kcmil	ACSR	A.C.	Red Rock - Rush City (GRE)		59.60
X			230 kV	795 kcmil	ACSS	A.C.	Sioux Falls Mun (WAPA) - Split Rock		0.80
X			230 kV	795 kcmil	ACSS	A.C.	Zemple (MP) - Cass Lake (OTP)		44.10
X			345 kV	2-954 kcmil	ACSS	A.C.	Brookings-Big Stone		32
X			345 kV	2-954 kcmil	ACSS	A.C.	Lacrosse-Madison	2018	55
	X		345 kV	Bundled 954 kcmil Hawk	ACSR/T2	A.C.	Huntley - Wilmarth *	2022	40-50

COMMENTS
Huntley - Wilmarth is a MTEP16 Approved Market Efficiency project in which the line mileage is estimated and may change depending on the routing process.

MINNESOTA ELECTRIC UTILITY INFORMATION REPORTING - FORECAST SECTION (Continu

7610.0600, item A. 24 - HOUR PEAK DAY DEMAND

Each utility shall provide the following information for the last calendar year:

A table of the demand in megawatts by the hour over a 24-hour period for:

1. the 24-hour period during the summer season when the megawatt demand on the system was the greatest; and
2. the 24-hour period during the winter season when the megawatt demand on the system was the greatest.

	DATE OF PEAK DAY DEMAND	DATE OF PEAK DAY DEMAND	
	6/29/18	1/2/18	<= ENTER DATES
TIME OF DAY	MW USED ON SUMMER PEAK DAY	MW USED ON WINTER PEAK DAY	
0100	5676	4831	
0200	5400	4746	
0300	5191	4728	
0400	5077	4726	
0500	5139	4866	
0600	5411	5189	
0700	5937	5715	
0800	6506	6082	
0900	7043	6139	
1000	7498	6154	
1100	7945	6221	
1200	8260	6208	
1300	8519	6183	
1400	8746	6166	
1500	8876	6157	
1600	8918	6156	
1700	8944	6331	
1800	8782	6536	
1900	8528	6455	
2000	8198	6268	
2100	7940	6080	
2200	7727	5831	
2300	7307	5469	
2400	6748	5128	

COMMENTS

REMEMBER TO SEND/UPLOAD THE FOLLOWING ATTACHMENTS:**DO NOT INSERT THE ATTACHMENT INTO THIS WORKBOOK**

- 1 Each utility shall report the following information in regard to each transmission line of 200 kilovolts now in existence:
 - a. a map showing the location of each line;
 - b. the design voltage of each line;
 - c. the size and type of conductor;
 - d. the approximate location of d.c. terminals or a.c. substations; and
 - e. the approximate length of each line in Minnesota.
(pursuant to MN Rules Chapter 7610.0500 Subpart 1, Existing transmission lines)

When submitting this workbook and attachments, please following the file naming format of:

ELEC_###_2018 Forecast Report (this workbook)

ELEC_###_2018 TL Map

NOTE: ### is your Utility Entity number found in Cell C5 on the Registration Tab

ID#	CUSTOMER NAME	ADDRESS	CITY	STATE	ZIP	2018 MWH

TRADE SECRET DATA ENDS]

COMMENTS
* These include on-site generation. A supplement will be filed in docket 19-11.

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT**7610.0120 REGISTRATION**

ENTITY ID#	85
REPORT YEAR	2018

Number of Power Plants	45
------------------------	----

UTILITY DETAILS	
UTILITY NAME	Xcel Energy
STREET ADDRESS	414 Nicollet Mall
CITY	Minneapolis
STATE	MN
ZIP CODE	55401
TELEPHONE	612-330-5500
Scroll down to see allowable UTILITY TYPES	
* UTILITY TYPE	PRIVATE

CONTACT INFORMATION	
CONTACT NAME	Jim G. Erickson
CONTACT TITLE	Regulatory Administrator
CONTACT STREET ADDRESS	414 Nicollet Mall
CITY	Minneapolis
STATE	MN
ZIP CODE	55401
TELEPHONE	612-330-5821
CONTACT EMAIL ADDRESS	regulatory.records@xcelenergy.com

UTILITY OFFICERS	
NAME	TITLE
Benjamin G.S. Fowke III	Chairman of the Board, President, and CEO
Robert C. Frenzel	Executive Vice President and Chief Financial Officer
Kent T. Larson	Executive Vice President and Group President, Operations
Scott M. Wilensky	Executive Vice President and General Counsel
Judy M. Pofert	Senior Vice President, Corporate Secretary and Executive Services
Timothy J. O'Connor	Chief Nuclear Officer
Jeffrey S. Savage	Senior Vice President and Controller
Christopher B. Clark	President, Xcel Energy - Minnesota, South Dakota, North Dakota
Alice K. Jackson	President, Xcel Energy - Colorado
David T. Hudson	President, Xcel Energy - New Mexico, Texas
Mark E. Stoering	President, Xcel Energy - Michigan, Wisconsin
Brett C. Carter	Executive Vice President and Chief Customer and Innovation Officer
Sarah W. Soong	Vice President and Treasurer
Darla Figoli	Senior Vice President, Human Resources & Employee Services, Chief Human Resources Officer
David L Eves	Executive Vice President, Group President - Utilities

PREPARER INFORMATION	
(do not type "Same as Above")	
PERSON PREPARING FORMS	Jim G. Erickson
PREPARER'S TITLE	Regulatory Administrator
DATE	7/1/2019
PREPARER'S EMAIL ADDRESS	jim.g.erickson@xcelenergy.com

COMMENTS

ALLOWABLE UTILITY TYPES

Code*
Private
Public
Co-op

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0150 FEDERAL OR STATE DATA SUBSTITUTION

FEDERAL AGENCY	FORM NUMBER	FORM TITLE	FILING CYCLE (enter an "X" in the cell)		
			MONTHLY	YEARLY	OTHER
Department of Energy	EIA-411	Coordinated Bulk Power Supply Report		X	
Department of Energy	EIA-457A	Residential Energy Consumption Survey			X
Department of Energy	EIA-860	Annual Electric Generator Report		X	
Department of Energy	EIA-860M	Monthly Update to Annual Electric Generator Report	X		
Department of Energy	EIA-861	Annual Electric Utility Report		X	
Department of Energy	EIA-861M	Monthly Electric Sales & Revenue Report with State Distributions	X		
Department of Energy	EIA-871A/I	Commercial Building Energy Consumption Survey			X
Department of Energy	EIA-923	Power Plant Operations Report		X	
Department of Energy	GC-859	Nuclear Fuel Data			X
Federal Energy Regulatory Commission	FERC 537	Annual Report of 311 Facility Activities		X	
Federal Energy Regulatory Commission	FERC 549B	Peak Day Capacity Report Under Section 284.13		X	
Federal Energy Regulatory Commission	FERC 549B	Quarterly Index of Customers			X
Federal Energy Regulatory Commission	FERC 549D	Quarterly Transportation and Storage Report for Intrastate Natural Gas and Hinshaw Pipelines			X
Federal Energy Regulatory Commission	FERC 576	Report by natural gas pipeline companies for damage or serious service interruptions occurring on the pipeline system		X	
Federal Energy Regulatory Commission	FERC 577	Annual Report of Replacement of Certificated Facilities		X	
Federal Energy Regulatory Commission	Form 1	Annual Report of Major Electric Utilities, Licensees and Others		X	
Federal Energy Regulatory Commission	Form 3Q	Quarterly Report of Major Electric Utilities, Licensees and Others			X
Federal Energy Regulatory Commission	Form 516	Electronic Quarterly Report			X
Federal Energy Regulatory Commission	Form 552	Annual Report of Natural Gas Transactions		X	
Federal Energy Regulatory Commission	Form 561	Interlocking Directorships or Conflict of Interest		X	
Federal Energy Regulatory Commission	Form 566	Twenty Largest Electric Customers		X	
Federal Energy Regulatory Commission	Form 580	Interrogatory on Fuel and Energy Purchases Practices			X
Federal Energy Regulatory Commission	Form 60	Annual Report of Centralized Service Companies		X	
Federal Energy Regulatory Commission	Form 652	Change in Status Report/Changes in Control of Inputs to Electric Power Production (market power test)		X	
Federal Energy Regulatory Commission	Form 652	Triennial Market Power Review			X
Federal Energy Regulatory Commission	Form 714	Annual Electric Control and Planning Area Report		X	
Federal Energy Regulatory Commission	Form 715	Annual Transmission Planning and Evaluation Report		X	
Federal Energy Regulatory Commission	Form 730	Report of Transmission Investment Activity		X	
Federal Energy Regulatory Commission	Form 80	Licensed Hydropower Development Recreation Report			X
Federal Energy Regulatory Commission	Reporting Requirement 582	Annual Charges Report		X	
Federal Energy Regulatory Commission		Interchange Agreement between NSPM/NSPW		X	
Internal Revenue Service	Form 1120	Corporate Income Tax Return		X	
Internal Revenue Service	Form 5500	Annual Return/Report of Employee Benefit Plan		X	
Internal Revenue Service	Form 990	Return of Organization Exempt from Income Tax		X	
Nuclear Regulatory Commission		Annual Nuclear Decommissioning Trust Report			X
Securities Exchange Commission	Form 10-K	Annual Financial Statements		X	
Securities Exchange Commission	Form 10-Q	Quarterly Financial Statements			X
Securities Exchange Commission	Form 11-K	401(k) Benefit Plan		X	
Securities Exchange Commission	Form 3	Initial Disclosures for Statement of Changes in Beneficial Ownership of Securities		X	
Securities Exchange Commission	Form 4	Statement of Changes in Beneficial Ownership of Securities		X	
Securities Exchange Commission	Form 8-K	Disclosure of Interim Events			X
Securities Exchange Commission	Form S	Registration Statements			X
Securities Exchange Commission	Form S	Registration Statements			X
Securities Exchange Commission	Schedule 14A	Proxy Statement		X	
Securities Exchange Commission	Schedule 14A	Proxy Statement		X	
U.S. Department of Commerce	NWPA-830R	Standard Contract for Disposal of Spent Nuclear Fuel and/or High Level Radioactive Waste			X
U.S. Department of Commerce	NWPA-830R	Standard Contract for Disposal of Spent Nuclear Fuel and/or High Level Radioactive Waste			X
U.S. Energy Information Administration	EIA 64A	Annual Report of the Origin of Natural Gas Liquids Production.		X	
U.S. Energy Information Administration	EIA 64A	Annual Report of the Origin of Natural Gas Liquids Production.		X	
U.S. Energy Information Administration	EIA 757	Survey of Natural Gas Processing Plants			X
U.S. Energy Information Administration	EIA 757	Survey of Natural Gas Processing Plants			X
U.S. Energy Information Administration	EIA 886	EIA-886 Alternative Fuel Vehicles		X	
U.S. Energy Information Administration	EIA 886	EIA-886 Alternative Fuel Vehicles		X	
U.S. Energy Information Administration	EIA 923S	EIA 923S - Power Plant Operations Report Supplement to Schedule 8a-f		X	
U.S. Energy Information Administration	EIA 923S	EIA 923S - Power Plant Operations Report Supplement to Schedule 8a-f		X	
U.S. Energy Information Administration	EIA-861M	Monthly Electric Power Industry Report	X		
U.S. Energy Information Administration	EIA-861M	Monthly Electric Sales and Revenue with State Distributions Report	X		
U.S. Energy Information Administration	EIA-861M	Monthly Electric Sales and Revenue with State Distributions Report	X		

COMMENTS

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)**7610.0600 OTHER INFORMATION REPORTED ANNUALLY**

A utility shall provide the following information for the last calendar year:

B. LARGEST CUSTOMER LIST - ATTACHMENT ELEC-1**If applicable, the Largest Customer List must be submitted in electronic format. If information is Trade Secret, note it as such.**

See "LargestCustomers" worksheet for data entry.

C. MINNESOTA SERVICE AREA MAP**The referenced map must be submitted in electronic format.**

See Instructions for details of the information required on the Minnesota Service Area Map.

D. PURCHASES AND SALES FOR RESALE UTILITY NAME (please spell out acronyms)	INTERCONNECTED UTILITY (please spell out acronyms)	MWH PURCHASED	RESALE ONLY MWH SOLD FOR RESALE
Adams Wind Generations, LLC		52,099	
Agassiz Beach		4,357	
American Electric Power		3,339	
Aurora Distributed Solar, LLC		-34	
Aurora Distributed Solar, LLC		188,886	
Benson Power, LLC		150,262	
Best Power International LLC		1,759	
Big Blue		118,512	
Bisson Windfarm, LLC		4,119	
Boeve Windfarm, LLC		5,346	
BP Energy Company			24,400
Byllesby		13,153	
Cannon Falls Energy Center		114,046	
Carleton College		3,897	
CG Windfarm, LLC		2,298	
Chanarambie Power Partners, LLC		211,136	
Cisco Wind Energy, LLC		23,205	
Citigroup Energy, Inc.		8,400	
City of Ada			6,547
City of Ada			36
City of Kasota			4,239
City of Kasota			34
Covanta Hennepin Energy Resource Co LP		203,431	
Dahlberg Light and Power			5,596
Dahlberg Light and Power			112,537
Dairyland Electric Cooperative Incorp		17,200	
Danielson Wind Farms, LLC		46,149	
Diamond K Dairy		-43	

Direct Energy Buisness Marketing, LLC			41,600
Dragonfly Solar, LLC		197	
East Ridge		23,978	
ERCOT		-23,200	
ETC Endure Energy, LLC			1,600
Ewington Energy System, LLC		58,779	
Fenton Power Partners I, LLC		645,208	
Fey Windfarm, LLC		5,229	
FPL Energy Mower County, LLC		262,300	
Garwin McNeilus		74,762	
Grant County Wind, LLC		54,123	
Hastings Lock & Dam		13,592	
Hilltop Power, LLC		3,004	
ICE NGX Canada, Inc			41,200
Jeffers Wind Energy Center		159,825	
JJN Windfarm, LLC		4,082	
Kas Brothers Windfarm, LLC		3,178	
K-Brink Windfarm, LLC		5,629	
KODA Energy, LLC		100,021	
Lake Benton Power Partners, LLC		455,115	
Laurentian Energy Authority, LLC		138,398	
LCO Hydro		12,302	
Lincoln Heights Wind Holdings		15,170	
Lower Colorado River Authority		33,600	
LSP Cottage Grove Incorporated		258,522	
Luminant Energy Company LLC			17,600
Manitoba Hydro		1,637,153	
Mankato Energy Center, LLC		486,324	
Marshall Solar		107,319	
Metro Wind, LLC		759	
Midcontinent ISO			6,729,664
Midcontinent ISO			13,097
Midcontinental ISO		-9,181	
Midcontinental ISO		2,769,281	
MinnDakota		494,144	
Miscellaneous		114,676	
Moraine Wind, LLC		307,348	
NAE Lakota Ridge, LLC		6,257	
NAE Lakota Ridge, LLC		22,306	
NAE Shaokatan, LLC		24,951	
NAE Shaokatan Hills, LLC		7,214	
NAE Shaokatan Hills, LLC		30,345	
Natural Gas Exchange Inc.		31,200	

Neshkoro (Neshonoc)		1,767	
NextEra Energy Power Marketing, LLC			24,400
NextEra Energy Power Marketing, LLC			800
North Central Power Company, Inc.			13,868
North Central Power Company, Inc.			12,840
North Community Turbines, LLC		45,340	
North Star Solar		195,387	
North Wind Turbines LLC		43,551	
Northwestern Wisconsin Electric Company			54,876
Northwestern Wisconsin Electric Company			125,520
Northwestern Wisconsin Electric Company			-360
NSP-Wisconsin			6,367,949
NSP-M Solar Gardens		595,562	
Odell Wind Farm, LLC		759,749	
Ohio Power Company			406,681
Olsen Wind Farm		1,975	
Pine Bend		9,496	
Pipestone		22,156	
PJM Interconnection, LLC			20,030
PJM Interconnection, LLC		381,814	
Prairie Rose Wind LLC		623,329	
Rapidan Hydroelectric Facility		18,820	
Ridgewind Power Partners, LLC		80,230	
Rock County Energy		22,889	
Rock Ridge Power Partners, LLC		5,105	
Ruthton Ridge, LLC		40,234	
SAF Hydroelectric LLC		51,374	
Shane's Wind Machine LLC		6,236	
Slayton Solar, LLC		2,622	
South Ridge		3,798	
Southern Minnesota Municipal Power Agy		9,671	
Southwest Power Pool Electric Energy		-58	
Southwest Power Pool Electric Energy		4,500	
St. Cloud		51,166	
St. Olaf College		3	
St. Olaf College		24	
St. Paul Cogeneration		161,318	
TG Windfarm, LLC		4,637	
Tholen		41,484	
Tofteland Windfarm, LLC		4,253	
Uilk Wind Farm, LLC		12,074	
University of Minnesota		2,736	
Valley View Transmission		27,443	

Velva Windfarm, LLC		25,878	
Viking Wind Partners		33,267	
Western Area Power Administration		11,785	
Westridge Windfarm, LLC		2,497	
Windcurrent Farms, LLC		5,759	
Windvest		1,824	
Winona County Wind, LLC		-1	
Winona County Wind, LLC		-31	
WM Renewable Energy, LLC		35,536	
Woodstock Hills, LLC		6,401	
Woodstock Municipal Wind, LLC		957	
Zephyr Wind		112,522	

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0600 OTHER INFORMATION REPORTED ANNUALLY (continued)

A utility shall provide the following information for the last calendar year:

E. RATE SCHEDULES

The rate schedule and monthly power cost adjustment information must be submitted in electronic format.

See Instructions for details of the information required on the Rate Schedules and Monthly Power Cost Adjustments.

F. REPORT FORM EIA-861

A copy of report form EIA-861 filed with the US Department of Energy must be submitted in electronic format.

A copy of the report form EIA-861 filed with the Energy Information Administration of the US Department of Energy must be submitted.

G. FINANCIAL AND STATISTICAL REPORT

If applicable, a copy of the Financial and Statistical Report filed with the US Department of Agriculture must be submitted in electronic format.

For rural electric cooperatives, a copy of the Financial and Statistical Report to the US Department of Agriculture must be submitted.

H. GENERATION DATA

If the utility has Minnesota power plants, enter the fuel requirements and generation data on the Plant1, Plant2, etc. worksheets.

I. ELECTRIC USE BY MINNESOTA RESIDENTIAL SPACE HEATING USERS

See Instructions for details of the information required for residential space heating users.

COLUMN 1 NUMBER OF RESIDENTIAL ELECTRICAL SPACE HEATING CUSTOMERS	COLUMN 2 NUMBER OF RESIDENTIAL UNITS SERVED WITH ELECTRICAL SPACE HEATING	COLUMN 3 TOTAL MWH USED BY THESE CUSTOMERS AND UNITS
35,430	NA	417,199

COMMENTS

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0600 OTHER INFORMATION REPORTED ANNUALLY (continued)

J. ITS DELIVERIES TO ULTIMATE CONSUMERS BY COUNTY FOR THE LAST CALENDAR YEAR

ENERGY DELIVERED TO ULTIMATE CONSUMERS BY COUNTY IN 2018

COUNTY CODE	COUNTY NAME	MWH DELIVERED	COUNTY CODE	COUNTY NAME	MWH DELIVERED
1	Aitkin		46	Martin	
2	Anoka	982,156	47	Meeker	38,901
3	Becker		48	Mille Lacs	
4	Beltrami		49	Morrison	0
5	Benton	252,631	50	Mower	1,763
6	Big Stone		51	Murray	43,090
7	Blue Earth	683,013	52	Nicollet	99,856
8	Brown	1,915	53	Nobles	
9	Carlton		54	Norman	1,430
10	Carver	503,933	55	Olmstead	42,689
11	Cass		56	Otter Tail	
12	Chippewa	108,937	57	Pennington	
13	Chisago	213,044	58	Pine	
14	Clay	56,878	59	Pipestone	74,060
15	Clearwater		60	Polk	1
16	Cook		61	Pope	79,272
17	Cottonwood		62	Ramsey	4,937,214
18	Crow Wing		63	Red Lake	
19	Dakota	3,270,992	64	Redwood	37,645
20	Dodge	110,741	65	Renville	64,492
21	Douglas	12,200	66	Rice	548,068
22	Faribault	5,229	67	Rock	1,641
23	Fillmore		68	Roseau	
24	Freeborn	9,641	69	St. Louis	
25	Goodhue	378,492	70	Scott	440,350
26	Grant		71	Sherburne	229,982
27	Hennepin	11,872,483	72	Sibley	74,682
28	Houston	33,882	73	Stearns	1,241,305
29	Hubbard		74	Steele	21,837
30	Isanti	14	75	Stevens	
31	Itasca		76	Swift	
32	Jackson		77	Todd	1,723
33	Kanabec		78	Traverse	
34	Kandiyohi	114,513	79	Wabasha	72,140
35	Kittson		80	Wadena	
36	Koochiching		81	Waseca	182,100
37	Lac Qui Parle	838	82	Washington	2,346,800
38	Lake		83	Watsonwan	6,760
39	Lake of the Woods		84	Wilkin	1,046
40	Le Sueur	96,570	85	Winona	451,037
41	Lincoln	553	86	Wright	534,785
42	Lyon	39,912	87	Yellow Medicine	25,308
43	McLeod	100,829			
44	Mahnomen			GRAND TOTAL (Entered)	30,449,373
45	Marshall			GRAND TOTAL (Calculated)	30449373.08

COMMENTS

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0600 OTHER INFORMATION REPORTED ANNUALLY (continued)

J. ITS DELIVERIES TO ULTIMATE CONSUMERS BY MONTH FOR THE LAST CALENDAR YEAR

See Instructions for details of the information required concerning electricity delivered to ultimate consumers.

Past Year (2018)	A	B	C	D	E	F	G	H	I	
Entire System	Non-Farm Residential	Residential With Space Heat	Farm	Small Commercial & Industrial	Irrigation	Large Commercial & Industrial	Street & Highway Lighting	Other (Include Municipals)	Total (Columns A through H)	
January	No. of Customers	1,110,459	34,976	n/a	132,345	n/a	4,925	2,049	1,285,259	
	MWH	757,252	59,488	n/a	1,120,269	n/a	16,403	5,485	2,593,495	
February	No. of Customers	1,111,368	35,081	n/a	132,276	n/a	4,957	2,047	1,286,234	
	MWH	615,469	50,827	n/a	961,949	n/a	9,390	5,052	2,239,833	
March	No. of Customers	1,112,844	35,174	n/a	132,345	n/a	4,969	2,048	1,287,884	
	MWH	617,897	38,693	n/a	1,096,398	n/a	10,381	6,270	2,435,318	
April	No. of Customers	1,113,827	35,187	n/a	132,315	n/a	4,971	2,046	1,288,850	
	MWH	547,242	31,043	n/a	983,347	n/a	8,283	5,397	2,213,114	
May	No. of Customers	1,114,679	35,148	n/a	132,370	n/a	4,986	2,044	1,289,731	
	MWH	648,186	24,822	n/a	1,117,747	n/a	7,386	6,352	2,485,231	
June	No. of Customers	1,114,542	35,099	n/a	132,319	n/a	5,020	2,041	1,289,526	
	MWH	865,940	23,826	n/a	1,214,653	n/a	6,907	7,336	2,813,617	
July	No. of Customers	1,114,657	35,176	n/a	132,333	n/a	5,027	2,047	1,289,746	
	MWH	906,688	23,820	n/a	1,265,909	n/a	5,082	7,504	2,974,637	
August	No. of Customers	1,115,473	35,164	n/a	132,410	n/a	5,066	2,046	1,290,664	
	MWH	944,258	26,453	n/a	1,261,861	n/a	6,747	7,673	3,021,236	
September	No. of Customers	1,115,525	35,137	n/a	132,393	n/a	5,085	2,048	1,290,694	
	MWH	681,802	19,997	n/a	1,093,413	n/a	9,608	8,192	2,536,443	
October	No. of Customers	1,117,187	35,273	n/a	132,573	n/a	5,142	2,046	1,292,726	
	MWH	584,463	27,765	n/a	1,024,315	n/a	8,270	6,190	2,323,427	
November	No. of Customers	1,117,863	35,326	n/a	132,792	n/a	5,186	2,041	1,293,714	
	MWH	620,981	44,212	n/a	989,176	n/a	12,698	5,395	2,300,971	
December	No. of Customers	1,118,900	35,430	n/a	132,981	n/a	5,207	2,039	1,295,068	
	MWH	698,216	46,254	n/a	1,096,275	n/a	12,819	5,971	2,512,052	
	Total MWH	8,488,393	417,199	#VALUE!	13,225,312	#VALUE!	8,127,676	113,974	76,819	30,449,373

COMMENTS

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0600 OTHER INFORMATION REPORTED ANNUALLY (continued)

ELECTRICITY DELIVERED TO ULTIMATE CONSUMERS IN MINNESOTA SERVICE AREA IN LAST CALENDAR YEAR

See Instructions for details of the information required concerning electricity delivered to ultimate consumers. Exclude station use, distribution losses, and unaccounted for energy losses from this table altogether.

This column reports the number of farms, residences, commercial establishments, etc., and not the number of meters, where different.

This column total should equal the grand total in the worksheet labeled "ElectricityByCounty" which provides deliveries by county.

This column total will be used for the Alternative Energy Assessment and should NOT include revenues from sales for resale (Minnesota Statutes, Section 216B.62, Subd. 5).

Classification of Energy Delivered to Ultimate Consumers (include energy used during the year for irrigation and drainage pumping)

	Number of Customers at End of Year	Megawatt hours (round to nearest MWH)	Revenue (\$)
Farm	NA	NA	NA
Non-Farm Residential	1,154,330	8,905,592	1,259,859,426
Commercial	132,981	13,225,312	1,381,657,732
Industrial	511	8,127,676	661,416,078
Street & Highway Lighting	5,207	113,974	24,029,120
All other	2,039	76,819	8,674,796
Entered Total	1,295,068	30,449,373	3,335,637,152

CALCULATED TOTAL 1,295,068 30,449,373 3,335,637,152

COMMENTS

REMEMBER TO SEND/UPLOAD THE FOLLOWING ATTACHMENTS:**DO NOT INSERT THE ATTACHMENT INTO THIS WORKBOOK**

1	If applicable, the Largest Customer List (Attachment ELEC-1), if the separate LargestCustomers workbook was not used (pursuant to MN Rules Chapter 7610.0600 B)
2	Minnesota Service Area Map (pursuant to MN Rules Chapter 7610.0600 C)
3	Rate Schedules and Monthly Power Cost Adjustments (pursuant to MN Rules Chapter 7610.0600 E)
4	Report form EIA-861 filed with US Department of Energy (pursuant to MN Rules Chapter 7610.0600 F)
5	If applicable, for rural electric cooperatives, the Financial and Statistical Report filed with US Department of Agriculture (pursuant to MN Rules Chapter 7610.0600 G)

When submitting this workbook and attachments, please following the file naming format of:

ELEC_###_2018 Annual Report (this workbook)
 ELEC_###_2018 Largest Customer List
 ELEC_###_2018 MN Service Area Map
 ELEC_###_2018 Rate Schedules
 ELEC_###_2018 Monthly Power Cost Adjustments
 ELEC_###_2018 USDOE EIA-861
 ELEC_###_2018 USDOA Financial and Statistical Report

NOTE: ### is your Utility Entity number found in Cell C5 on the Registration Tab

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA	
PLANT NAME	Grand Meadow Generating Station
STREET ADDRESS	
CITY	Dexter
STATE	MN
ZIP CODE	55926
COUNTY	Mower
CONTACT PERSON	Will Mills
TELEPHONE	303-571-7418
PLANT ID	85084
NUMBER OF UNITS	1

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
GMWF01-67	USE	WI	2010	WIND	270,861.75	Up to 100 Megawatts from 67 GE wind turbines
Plant Total					270,861.75	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
GMWF01-67	16.00	16.00	30.77	100.00	0.00	Up to 100 Megawatts from 67 GE wind turbines
Plant Total		16.00	16.00			

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
GMWF01-67	WIND							

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA	
PLANT NAME	Alliant Tech Systems
STREET ADDRESS	
CITY	Hopkins
STATE	MN
ZIP CODE	55343
COUNTY	Hennepin
CONTACT PERSON	Will Mills
TELEPHONE	303-571-7418
PLANT ID	85080
NUMBER OF UNITS	1

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
1	OTHER	IC	1993	FO2		Sold
Plant Total					0.00	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
1	1.60	1.60				Sold
Plant Total		1.60	1.60			

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)	SECONDARY FUEL USE			
					Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
1	FO2		GAL					

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA			
PLANT NAME	Thornapple Hydro Generating Station	PLANT ID	85063
STREET ADDRESS			
CITY	Ladysmith		
STATE	WI	NUMBER OF UNITS	2
ZIP CODE	54848		
COUNTY	Rusk		
CONTACT PERSON	Will Mills		
TELEPHONE	303-571-7418		

B. INDIVIDUAL GENERATING UNIT DATA							
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments	
1	USE	HC	1929	HYD	4,559.00		
2	USE	HC	1929	HYD	5,048.00		
Plant Total					9,607.00		

C. UNIT CAPABILITY DATA							
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments	
	Summer	Winter					
	1	0.40					
2	0.40	0.40	64.03	100.00	0.00		
Plant Total		0.80	0.80				

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
1	HYD							
2	HYD							

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA		PLANT ID	85085
PLANT NAME	Nobles Wind Farm		
STREET ADDRESS			
CITY	Reading		
STATE	MN	NUMBER OF UNITS	2
ZIP CODE			
COUNTY	Nobles		
CONTACT PERSON	Will Mills		
TELEPHONE	303-571-7418		

B. INDIVIDUAL GENERATING UNIT DATA							
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments	
NWF1-134	USE	WI	2010	WIND	651,204.15	Up to 201 Megawatts from 134 GE wind turbines	
Plant Total					651,204.15		

C. UNIT CAPABILITY DATA							
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments	
	Summer	Winter					
NWF01-134	32.00	32.00	37.17	100.00	0.00	Up to 201 Megawatts from 134 GE wind turbines	
Plant Total		32.00	32.00				

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
NWF01-67	WIND							
NWF68-134								

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA	
PLANT NAME	Hayward Hydro Generating Station
STREET ADDRESS	
CITY	Hayward
STATE	WI
ZIP CODE	54843
COUNTY	Sawyer
CONTACT PERSON	Will Mills
TELEPHONE	303-571-7418
PLANT ID	85028
NUMBER OF UNITS	1

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
1	USE	HC	1925	HYD	(31.48)	
Plant Total					(31.48)	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
1	0.20	0.20	-1.80	0.00	100.00	
Plant Total		0.20	0.20			

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
1	HYD							

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA	
PLANT NAME	Flambeau
STREET ADDRESS	
CITY	Park Falls
STATE	WI
ZIP CODE	
COUNTY	Price
CONTACT PERSON	Will Mills
TELEPHONE	303-571-7418
PLANT ID	85020
NUMBER OF UNITS	1

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
1	RET	GT	1969	NG		Retired
Plant Total					0.00	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
1	12.00	16.00				
Plant Total		12.00	16.00			

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
1	NG		MCF		FO2		GAL	

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA			
PLANT NAME	Dells Hydro Generating Station	PLANT ID	85017
STREET ADDRESS			
CITY	Eau Claire		
STATE	WI	NUMBER OF UNITS	7
ZIP CODE			
COUNTY	Eau Claire		
CONTACT PERSON	Will Mills		
TELEPHONE	303-571-7418		

B. INDIVIDUAL GENERATING UNIT DATA							
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments	
1	USE	HC	1923	HYD	14,306.00		
2	USE	HC	1924	HYD	13,059.00		
3	USE	HC	1930	HYD	13,488.00		
4	USE	HC	1930	HYD	8,015.00		
5	USE	HC	1930	HYD	5,342.00		
6	RET	HC	1916	HYD		Retired	
7	RET	HC	1907	HYD		Retired	
Plant Total					54,210.00		

C. UNIT CAPABILITY DATA							
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments	
	Summer	Winter					
1	1.90	1.90	56.31	88.19	9.24		
2	1.50	1.50	57.34	100.00	0.00		
3	1.50	1.50	59.22	100.00	0.00		
4	1.50	1.50	35.19	100.00	0.00		
5	0.90	0.90	38.11	96.79	3.23		
6	0.00	0.00				Retired	
7	0.00	0.00				Retired	
Plant Total		7.30	7.30				

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	Quantity	PRIMARY FUEL USE			SECONDARY FUEL USE		
			Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
1	HYD							
2	HYD							
3	HYD							
4	HYD							
5	HYD							
6								
7								

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA	
PLANT NAME	Black Dog Generating Station
STREET ADDRESS	
CITY	Burnsville
STATE	MN
ZIP CODE	
COUNTY	Dakota
CONTACT PERSON	Will Mills
TELEPHONE	303-571-7418
PLANT ID	85008
NUMBER OF UNITS	5

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
2	USE	CS	1954	NG	245,348.72	
3	RET	ST	1955	SUB		Retired
4	RET	ST	1960	SUB		Retired
5	USE	CS	2002	NG	551,363.00	
6	USE	GT	2018	NG	167,365.78	
Plant Total					964,077.50	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
2	117.00	117.00	23.94		1.10	
3	79.00	79.00				Retired
4	153.00	153.00				Retired
5	165.00	181.00	34.77	61.69	1.10	
6	212.00	228.00	12.45	92.06	9.90	
Plant Total		726.00	758.00			

D. UNIT FUEL USED										
Unit ID #	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)	PRIMARY FUEL USE			SECONDARY FUEL USE		
					Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)		
2	NG	93,534.00	MCF							
5	NG	3,680,108.00	MCF							
6	NG	1,663,167.00	MCF							

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA	
PLANT NAME	High Bridge Generating Station
STREET ADDRESS	
CITY	St. Paul
STATE	MN
ZIP CODE	
COUNTY	Ramsey
CONTACT PERSON	Will Mills
TELEPHONE	303-571-7418
PLANT ID	85031
NUMBER OF UNITS	3

B. INDIVIDUAL GENERATING UNIT DATA								
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments		
4	RET	ST	1944			Retired		
5	RET	ST	1956	SUB		Retired		
6	RET	ST	1959	SUB		Retired		
7	USE	CS	2008	NG	820,283.51			
8	USE	CS	2008	NG	674,026.00			
9	USE	CS	2008	NG	837,187.00			
					Plant Total	2,331,496.51		

C. UNIT CAPABILITY DATA							
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments	
	Summer	Winter					
4	0.00	0.00				Retired	
5	0.00	0.00				Retired	
6	0.00	0.00				Retired	
7	152.00	185.00	50.62	80.75	0.37		
8	152.00	185.00	41.59	77.84	2.11		
9	226.00	236.00	40.50	80.74	0.32		
Plant Total		530.00	606.00				

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
4								
5	SUB		TONS		NG		MCF	
6	SUB		TONS		NG		MCF	
7	NG	8,654,582.37	MCF					
8	NG	6,402,455.00	MCF					
9	NG	1,358.57	MCF					

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA	
PLANT NAME	Granite City
STREET ADDRESS	
CITY	Saint Cloud
STATE	MN
ZIP CODE	
COUNTY	Sherburne
CONTACT PERSON	Will Mills
TELEPHONE	303-571-7418
PLANT ID	85025
NUMBER OF UNITS	4

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
1-4	USE	GT	1969	NG	(554.00)	
Plant Total					(554.00)	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
1	13.00	16.00	-0.10	85.86	99.68	
2	13.00	16.00	-0.09	77.79	99.80	
3	13.00	16.00	-0.10	85.86	99.68	
4	13.00	16.00	-0.10	85.03	99.71	
Plant Total		52.00	64.00			

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)	SECONDARY FUEL USE			
					Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
1-4	NG	4,551.00	MCF		FO2	2,986.00	GAL	

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA	
PLANT NAME	Monticello Nuclear Generating Station
STREET ADDRESS	
CITY	Monticello
STATE	MN
ZIP CODE	55362
COUNTY	Wright
CONTACT PERSON	Will Mills
TELEPHONE	303-571-7418
PLANT ID	85046
NUMBER OF UNITS	1

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
1	USE	NC	1971	NUC	5,618,024.00	
Plant Total					5,618,024.00	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
1	617.00	646.00	99.28	99.21	0.00	
Plant Total		617.00	646.00			

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)	SECONDARY FUEL USE			
					Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
1	NUC		MBTU					

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

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 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
 Scroll down below the ALLOWABLE CODES to see DEFINITIONS for Capacity Factor, Operating Factor and Forced Outage Rate.

A. PLANT DATA	
PLANT NAME	Allen S. King Generating Station
STREET ADDRESS	
CITY	Bayport
STATE	MN
ZIP CODE	
COUNTY	Washington
CONTACT PERSON	Will Mills
TELEPHONE	303-571-7418
PLANT ID	85038
NUMBER OF UNITS	1

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
1	USE	ST	1968	SUB	2,698,691.00	
Plant Total					2,698,691.00	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
1	511.00	511.00	60.29	70.97	13.20	
Plant Total		511.00	511.00			

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
1	SUB	1,501,255.00	TONS	8,796	NG	53,400.00	MCF	

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
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A. PLANT DATA		PLANT ID	85086
PLANT NAME	Pleasant Valley Wind Farm		
STREET ADDRESS	228 Industrila Park Dr		
CITY	Dexter		
STATE	MN	NUMBER OF UNITS	1
ZIP CODE	55926		
COUNTY	Mower		
CONTACT PERSON	Chriss Hogg		
TELEPHONE	612-321-3291		

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
PVWF01-100	USE	WI	2015	WIND	756,650.32	Up to 200 megawatts from 100 wind turbines
Plant Total					756,650.32	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
PVWF01-100	29.40	29.40	44.07	100.0	0.0	Up to 200 megawatts from 100 wind turbines
Plant Total		29.40	29.40			

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
PVWF01-100	WIND		0		WIND		0	

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

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A. PLANT DATA		PLANT ID	85087
PLANT NAME	Border Wind Farm		
STREET ADDRESS	5190 107th St NE		
CITY	Rolla		
STATE	ND	NUMBER OF UNITS	1
ZIP CODE	58367		
COUNTY	Rollette		
CONTACT PERSON	Jayne Orrock		
TELEPHONE	612-321-3275		

B. INDIVIDUAL GENERATING UNIT DATA							
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments	
BWF01-75	USE	WI	2015	WIND	609,517.15	Up to 150 megawatts from 75 wind turbines	
Plant Total					609,517.15		

C. UNIT CAPABILITY DATA							
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments	
	Summer	Winter					
BWF01-75	22.10	22.10	47.01	100.0	0.0	Up to 150 megawatts from 75 wind turbines	
Plant Total	22.10	22.10					

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
BWF01-75	WIND		0		WIND		0	

MINNESOTA ELECTRIC UTILITY ANNUAL REPORT (Continued)

7610.0430 FUEL REQUIREMENTS AND GENERATION BY FUEL TYPE

POWER PLANT AND GENERATING UNIT DATA REPORT 2018

INSTRUCTIONS: Complete one worksheet for each power plant
 Scroll down below the data entry tables to see the ALLOWABLE CODES to be used for Unit Status, Unit Type, Energy Source, Fuel Type, and Unit of Measure fields
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A. PLANT DATA		PLANT ID	85088
PLANT NAME	Courtenay Wind Farm		
STREET ADDRESS	1401 Hwy 9 SE		
CITY	Courtenay		
STATE	ND	NUMBER OF UNITS	1
ZIP CODE	58426		
COUNTY	Stutsman		
CONTACT PERSON	Jayne Orrock		
TELEPHONE	612-321-3275		

B. INDIVIDUAL GENERATING UNIT DATA						
Unit ID #	Unit Status *	Unit Type **	Year Installed	Energy Source ***	Net Generation (mwh)	Comments
CWF01-100	USE	WI	2016	WIND	714,237.32	Up to 200 megawatts from 100 wind turbines
Plant Total					714,237.32	

C. UNIT CAPABILITY DATA						
Unit ID #	CAPACITY (MEGAWATTS)		Capacity Factor (%)	Operating Factor (%)	Forced Outage Rate (%)	Comments
	Summer	Winter				
CWF01-100	30.40	30.40	41.81	100.0	0.0	Up to 200 megawatts from 100 wind turbines
Plant Total		30.40	30.40			

D. UNIT FUEL USED								
Unit ID #	Fuel Type ***	PRIMARY FUEL USE			SECONDARY FUEL USE			
		Quantity	Unit of Measure ****	BTU Content (for coal only)	Fuel Type ***	Quantity	Unit of Measure ****	BTU Content (for coal only)
CWF01-100	WIND		0		WIND		0	