



414 Nicollet Mall
Minneapolis, MN 55401

**PUBLIC DOCUMENT –
NOT PUBLIC DATA HAS BEEN EXCISED**

June 30, 2023

—Via Electronic Filing—

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

RE: ELECTRIC UTILITY ANNUAL REPORT
DOCKET NO. E999/M-23-11

Dear Ms. Sell:

Northern States Power Company, doing business as Xcel Energy, submits the enclosed 2022 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

Please note that this report contains Trade Secret information protected by the Minnesota Data Practices Act, including private data—including names, addresses, and usage—for our largest electric customers. 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 Gail Baranko at (612) 330-6935 or gail.baranko@xcelenergy.com or Christine Schwartz at (612) 330-6193 or Christine.E.Schwartz@xcelenergy.com if you have any questions regarding this report.

Sincerely,

/s/

GAIL A. BARANKO
REGULATORY MANAGER

Enclosures

Northern States Power Company-Minnesota
Electric Utility Annual ReportDocket No. E999/M-23-11
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7610.0600 Subpart C**MINNESOTA COMMUNITIES
SERVED BY XCEL ENERGY**INFORMATION SHEET
MINNESOTA**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	Chanhassen 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	Brownton 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	E Eagle Lake E
Benton Township E	Cass County G	Coon Rapids E	East Bethel EG

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

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

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Santiago G	St. Mary Township E	Wakefield Township E	Windom W
Sartell EG	St. Mary's Point E	Walcott Township E	Winona EG
Sauk Center W	St. Michael EG	Walden G	Winona County EG
Sauk Rapids EG	St. Paul EG	Waldorf E	Winona Township E
Sauk Rapids Township E	St. Paul Park EG	Waltham E	Winsted
Savage E	St. Peter W	Waltham Township E	Winsted Township E
Scandia UEG	St. Stephen G	Wanamingo E	Witoka UE
Scott County EG	St. Wendell Township G	Wanamingo Township E	Wolverton E
Sedan E	Stacy EG	Warsaw UEG	Wood Lake E
Severence Township E	Stanton UE	Warsaw Township EG	Wood Lake Township E
Shafer EG	Stanton Township E	Waseca EW	Woodbury EG
Shafer Township EG	Starbuck E	Waseca County E	Woodland E
Shakopee EG	Stearns County EG	Washington County EG	Woodland Township EG
Sherburne County EG	Sterling Township E	Washington Lake Township EG	Woodstock E
Sherman Township E	Stewart E	Washington Township G	Woodville Township E
Shieldsville Township E	Stillwater EG	Wasioia UE	Wright County EG
Shoreview EG	Stillwater Township EG	Wasioia Township E	Wyanett Township G
Shorewood E	Stockholm Township E	Watab Township EG	Wyoming EG
Sibley County EG	Stoneham Township E	Waterford UEG	Wyoming Township EG
Sibley Township EG	Stony Run Township E	Watertown EG	Yellow Medicine County E
Silver Lake E	Sumter Township E	Watertown Township EG	Young America Township E
Skyberg UE	Sunfish Lake EG	Waterville E	Zimmerman G
Skyline E	Sunrise UEG	Waterville Township E	Zion Township E
Slayton E	Sunrise Township EG	Watkins E	Zumbro Falls E
Sleepy Eye W	Swedes Forest Township E	Watson E	Zumbrota E
Smiths Mill UE	Sylvan Township** G	Watson County E	Zumbrota Township E
South Bend UE	Taylor Falls EG	Watopata Township E	
South Bend Township E	Timothy Township G	Waverly EG	
South Haven E	Todd County E	Wayzata E	
South St. Paul EG	Tonka Bay E	Weaver UE	
Southside Township E	Tracy E	Webster UE	
Sparta Township E	Trosky E	Webster Township E	
Spencer Brook Township G	Tunsberg Township E	Wegdahl UE	
Spicer EG	Tyrone Township E	Welch Township E	
Spring Hill E	Ulen	Wells Township E	
Spring Lake Park E	Union Grove Township E	West Concord E	
Spring Lake Township E	Vadnais Heights EG	West Lakeland Township EG	
Spring Park E	Vermillion E	West St. Paul EG	
Springfield W	Vermillion Township E	West Union E	
St. Anthony Village E	Veseli UE	Westport E	
St. Augusta EG	Victor Township EG	Westport Township E	
St. Bonifacious E	Victoria E	Wheatland Township E	
St. Clair EG	Villard E	Wheeling Township E	
St. Cloud EG	W Wabasha EG	White Bear Lake EG	
St. James W	Wabasha County EG	White Bear Lake Township E	
St. Joseph EG	Waconia E	White Bear Township EG	
St. Joseph Township E	Waconia Township E	Wilken County E	
St. Lawrence Township E	Wacouta Beach	Willernie EG	
St. Louis Park E	Wacouta Township EG	Wilson UEG	
St. Martin E	Waite Park EG	Wilton Township E	



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7610.0320 - Forecast Methodology

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

OVERALL METHODOLOGICAL FRAMEWORK

Xcel Energy prepares 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 (NSPM). Wisconsin and Michigan are served by Northern States Power Company, a Wisconsin corporation (NSPW). The NSPM and NSPW Systems operate as an integrated system. The forecast is referred to as the 2023v1.0 Forecast (completed in March 2023).

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 Large Commercial and Industrial, Public Street and Highway Lighting, Other Sales to Public Authorities for all jurisdictions except Minnesota; and Interdepartmental sales for 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 were summed to yield the total system sales forecast. Native energy requirements are measured at the generator and include line and other losses. Xcel Energy created the 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 were used as independent variables within an econometric model to forecast MW peak demand for the Xcel Energy North System.

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7610.0320**MODELS USED**

1. ***Residential Econometric Models.*** Sales to Residential customers represent 31.5% of NSP System electric sales in 2022. Residential sales are divided into with space heating and without space heating customer classes for each NSPM jurisdiction. NSPW jurisdictions only have a total Residential customer class. Regression models using historical data are developed for each Residential sector. A variety of independent variables were used in the models, including:
 - Real Personal Income or Real Personal Income per Capita for the respective jurisdiction;
 - Average price (reported revenues/reported sales) for the respective jurisdiction;
 - Gross Metro Product for the respective jurisdiction;
 - Total population for the respective jurisdiction;
 - Average price of West Texas Intermediate crude oil;
 - Actual heating (HDD) and temperature humidity index (THI) degree days;
 - Number of customers;
 - Number of monthly billing days;
 - Month specific binary variables;
 - Other binary and or trend variables;
2. ***Small Commercial and Industrial Econometric Models.*** The small commercial and industrial sector represents 42.75% of NSP System electric sales in 2022. 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 State/Metro Product for respective jurisdiction;
 - Employment for respective jurisdiction;
 - Actual heating (HDD) and temperature humidity index (THI) degree days;
 - Number of monthly billing days.
 - Month specific binary variables
 - Other binary and or trend variables.
3. ***Large Commercial and Industrial Econometric Model.*** Sales to the large commercial and industrial sector represent 25.2% of NSP System electric sales in 2022. The regression model uses historical data and the following explanatory variables:
 - Industrial Production Index;
 - Number of monthly billing days.
 - Month specific binary variables;
 - Other binary variables.
4. ***Others.*** Sales to the “Others” sector represent 0.6% of NSP System electric sales in 2022. 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:
 - Population for the respective jurisdiction;
 - Gross Metro Product for the respective jurisdiction;
 - Number of monthly billing days;

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- Month specific binary variables;
 - Other binary and or trend variables.
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 was used to develop the base peak demand forecast for the entire planning period. The model includes a combination of variables, including the following:
- Weather normalized native energy requirements adjusted for the impacts of historical DSM programs and without adjustments for future DSM, future distributed solar generation behind the customer's meter, and future electric vehicle charging;
 - Peak producing weather by month weighted by customer counts;
 - Binary variables.

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.

MODELING DATA

Xcel Energy uses 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 estimates are added to the net peak demand to derive the base peak demand.

Monthly weather data is collected for the Minneapolis/St. Paul, Fargo, Sioux Falls, and Eau Claire metropolitan areas. The heating degree-days and THI degree-days are calculated internally based on this weather data.

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

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DEMAND-SIDE MANAGEMENT PROGRAMS

The Company sponsors demand-side management (“DSM”) programs in the Minnesota and South Dakota jurisdictions. There are no Company-sponsored DSM programs in the North Dakota, Michigan, or Wisconsin jurisdictions. For Minnesota and South Dakota, the regression model results for the Residential and Commercial and Industrial classes are reduced to account for the expected impacts of DSM programs.

The DSM methodology 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 planned DSM in future years.

The first step involves collecting data involving any measure that would cause an impact on the time period utilized in the sales forecast. In this model, we use the time period from 2008 to December 2022 and therefore the historical DSM would include any measure that results in decreased sales in any (or all) years from 2008 through December 2022. Since the vast majority of DSM measures have a lifetime greater than one year (exceptions include but are not limited to behavioral energy savings programs), the impact on sales will include the year that a measure is installed as well as any years that follow until the measure has reached the end of its useful life. For example, a residential lighting measure that was installed in 2008 and has a life of 6 years will result in a sales reduction from 2008 to 2013 (6 full calendar years). Though a measure may be installed in June of 2008 and would persist until May of 2013, the Company believes that the simplifying case in which all measures are installed for the entire calendar year is sufficient.

Due to the wide variation of measures available to customers, the Company sums the savings for each year by DSM program to optimize the level of detail and depth of history included in the model. Achievement data are from the approved Conservation Improvement Program (CIP) Status Reports filed annually for each year since 1996.

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 behind-the-meter solar generation impact on demand and energy has been developed based on new programs designed to meet goals established for the SES. Impacts of customer sited behind-the-meter solar installations on the NSP system were

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extracted from this forecast and used to develop adjustments to reduce the class level sales for Minnesota and the NSP System peak demand forecast. 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.

Xcel has calculated and metered the historical impact of distributed solar generation on customer sales and peak demands.

Once the total impact of DSM in effect and distributed solar generation is calculated for each year, a hypothetical sales data set is created. This series consists of the observed sales from 2008 through December 2022 plus the effective DSM calculated for all DSM measures installed in that year as well as achieved savings from programs in prior years that are still within the useful measure life, plus the historical distributed solar generation.

In the second step, the hypothetical sales data is used to generate a sales forecast that has entirely excluded the impacts of Company-sponsored DSM and distributed solar generation. It is important to note that customer-initiated DSM or DSM due to codes and standards (naturally occurring DSM) is not calculated as part of the CIP. The methodology to account for codes and standards changes is described below.

In the third step, once the sales forecast based on hypothetical sales has been generated, the Company adjusts the forecast to account for future DSM and future distributed solar generation. The forecast of future distributed solar generation is developed by Xcel Energy's Load Research Department. A monthly forecast of the impact of new DSM programs (excluding Saver's Switch) is developed by Xcel Energy's DSM Regulatory Strategy and Planning Department. The future DSM sales volumes are combined with the continuing impacts of historical DSM measures and future solar generation and used to reduce the class level sales forecasts that result from the regression modeling process to determine the DSM and solar-adjusted sales. Impacts from all program installations through December 2022 are assumed to be imbedded in the historical data, so only new program installations and the continuing impact of historical programs are included in the DSM-solar generation adjustment. The source for Company-sponsored DSM adjustments is based on the CIP Plan in effect at the time of the forecast.

PLUG-IN ELECTRIC VEHICLE CHARGING

The residential sales and peak demand forecasts also are adjusted to account for the use of plug-in electric vehicle charging. The penetration of electric vehicles in Xcel Energy's service territory has been increasing over the past few years and is expected to continue increasing. Because this trend of increasing electric vehicle penetration is expected to continue, the Residential sales forecasts have been adjusted for to account for future

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electricity usage from home charging of electric vehicles. In addition, the Small Commercial and Industrial and Large Commercial and Industrial sales forecasts have been adjusted to account for future electricity usage from the charging of medium-duty and heavy-duty electric vehicles. 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.

Because the peak demand forecast was developed with an energy forecast that had the adjustments for electric vehicle charging removed, the peak demand forecast includes a post-modeling adjustment to account for future electric vehicle charging impacts at the system peak. 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.

The electric vehicle assumptions for the expected MWh sales impacts and MW peak demand impacts were developed by Xcel Energy's Risk Management department.

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 2012 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.
4. Demand Forecast Wholesale Adjustment. An adjustment to account for terminating firm wholesale customer contracts was incorporated into the development of the peak demand forecast. Estimated historical coincident peak demand and energy for all firm wholesale customers were removed from the regression model data to create a consistent data series for retail demand and energy.
5. COVID Pandemic Assumptions. The COVID-19 pandemic has had an impact on Xcel Energy sales. The Residential class experienced an increase in sales resulting from an increase in working-from-home and social distancing measures. Over the next few years Residential sales are expected to experience declining sales growth, in part due to more employees return to the workplace. Residential regression models use the Google Mobility Index to explain the historical change in consumption due to COVID-19. Conversely, the Small Commercial and Industrial and Large Commercial and Industrial customer classes have experienced a sharp decline in sales resulting from pandemic related economic weakness and business shutdowns. Recovery from this downturn is expected with Small Commercial and Industrial and Large Commercial and Industrial sales growth over the next few years. This recovery is driven by the economic explanatory variables in the Commercial and Industrial regression models. The COVID-19 pandemic impacts on the peak demand forecast are driven by the energy forecast.

ASSUMPTIONS AND SPECIAL INFORMATION

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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 Markit, 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 2003-2022. 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.

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7610.0410 – Future Facility Additions

7610.0420 – Future Facility Retirements

The Company's most recent, completed, Resource Plan (Docket No. E002/RP-19-368) was approved by Minnesota Public Utilities Commission (MPUC or the Commission) through an Order issued April 15, 2022. The Alternate Preferred Plan, filed June 25, 2021, was approved for the purposes of planning.

The Order to close the 2020-2034 Upper Midwest Resource Plan docket identified the Company shall:

- Retire the AS King Generating Station in 2028 and the Sherco County Generation Station Unit 3 in 2030.
- Acquire an average of 780 GWh energy efficiency, annually.
- Acquire 400 MW of additional Demand Response by 2023, consistent with the previous IRP order.
- Repower existing resources as needed for black start purposes.
- Acquire, by 2026, 1300 MW of solar resources to replace the capacity following the retirement of Sherburne County Generation Station Unit 2, prioritizing the use of associated interconnection rights, some of which could be fulfilled by the Company's pending proposal for a 460 MW solar installation near the existing Sherco site ("Sherco Solar").
- Between 2027-2032 add an additional 600 MW solar and 2,150 MW wind powered generation at Sherco, and an additional approximately 600 MW to reutilize the A.S. King interconnection rights.
- Commence the Certificate of Need and route permitting proceedings for 345 kV transmission lines extending from both Sherburne County Generation site and AS King Generation site. This transmission is intended to develop new energy resources and be connected to the MISO transmission grid through the existing interconnection points.
- Submit the next resource plan by February 1, 2024.

The 2020 Review of Remaining Lives (Docket No. E,G002/D-19-723) – 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 2023-2033 timeframe are listed below. This is a tentative schedule, subject to change, pending the

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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
2022	Sherco Unit 2**	765	Coal
2023	Blue Lake Units 1 thru 4	160	Oil
2025	Sherco Unit 1	765	Coal
2026	Inver Hills	281	Natural Gas
2027	Red Wing	23	Refused Derived Fuel (RDF)
2027	Wilmarth	25	Refused Derived Fuel (RDF)
2027	St. Croix Falls	23.2	Hydro
2029	AS King	511	Coal
2030	Sherco Unit 3	525	Coal
2030	Wheaton	250	Oil/Natural Gas
2030	French Island 1-2	15	Municipal Solid Waste
2030	French Island 3-4	160	Oil
2030	Monticello****	646	Nuclear
2031	Black Dog 2,5	298	Natural Gas
2033	Prairie Island 1	566	Nuclear

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.

** While Sherco 2 will reach its financial end of life at the end of 2022, the plant will be available to provide capacity in 2023.

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

**** Per the Order in the Resource Plan, the Company is pursuing a 10-year life extension.

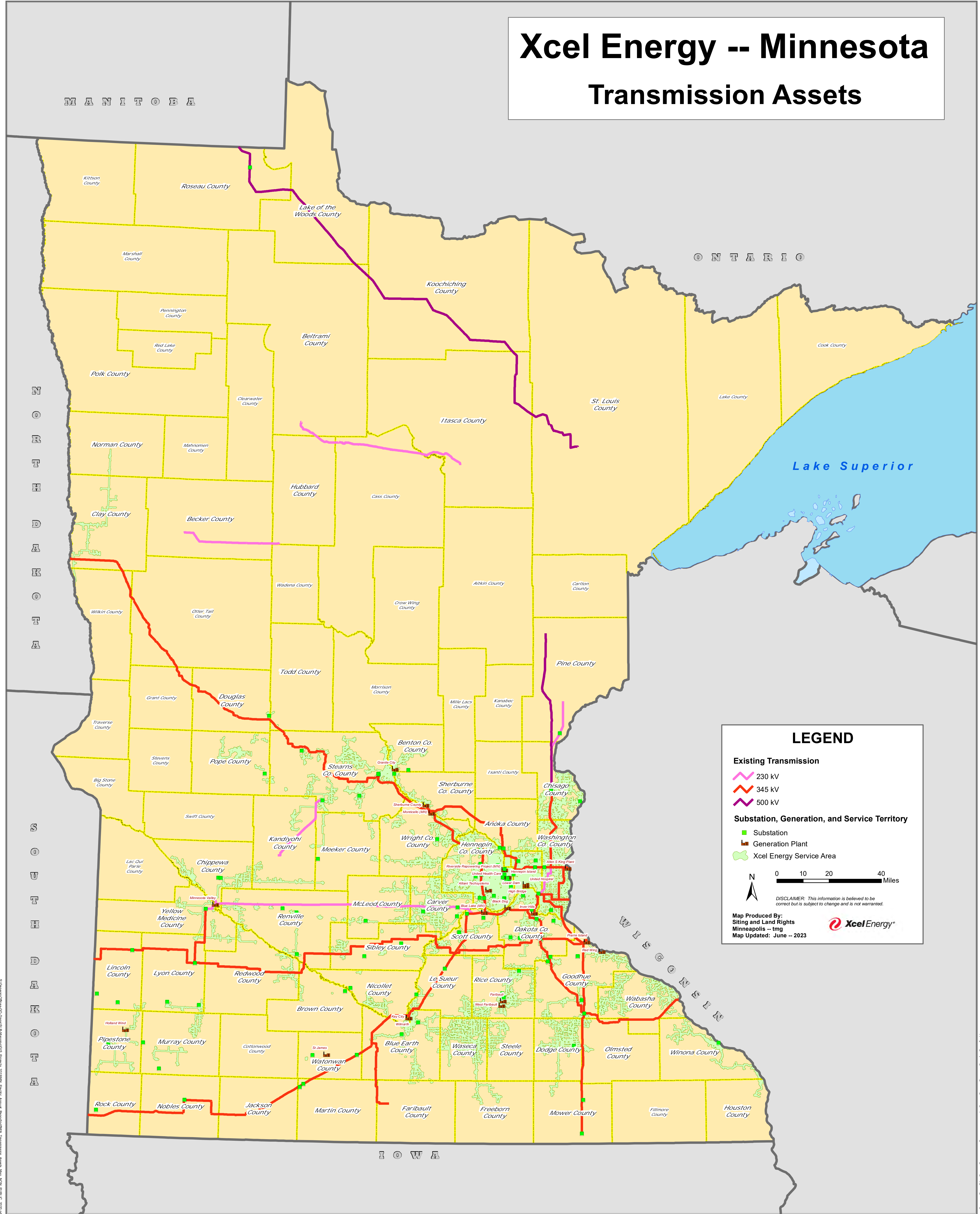
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The following list outlines current Power Purchase Agreements (PPA) and their scheduled termination dates.

Projected PPA Retirements			
Year	Unit/Site	Size (MW)***	Fuel Type
2023	Renewable PPAs	86	Renewable
2024	St. Paul CoGen	24	Biomass
2024	Renewable PPAs	61	Renewable
2025	Renewable PPAs	25	Renewable
2025	Manitoba Hydro	500	Hydro
2025	Manitoba Hydro – Diversity Agreement	350	Hydro
2025	Invenergy	358	Natural Gas
2026	Mankato 1	375	Natural Gas
2026	Renewable PPAs	23	Renewable
2027	LS Power	245	Natural Gas
2028	Renewable PPAs	147	Renewable
2029	Renewable PPAs	53	Renewable
2030	Renewable PPAs	28	Renewable
2031	Renewable PPAs	108	Renewable
2032	Renewable PPAs	472	Renewable
2033	Renewable PPAs	150	Renewable

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.



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7610.0600 E

Northern States Power Company, a Minnesota corporation**7610.0600E****Minnesota Retail Electric Fuel Cost Charges Table (Mills/kWh)**

June 2021- June 2022	FUEL COST CHARGE					
	Residential	C&I Non-Demand	C&I Demand			Outdoor Lighting
			Non-TOD	TOD		
				On-Peak	Off-Peak	
June 2021	36.17	36.63	35.48	44.38	29.02	28.34
July	30.86	31.25	30.27	37.86	24.76	24.18
August	30.12	30.49	29.54	36.96	24.16	23.59
September	30.67	31.06	30.10	37.63	24.62	24.05
October	31.30	31.69	30.70	38.38	25.11	24.53
November	28.69	29.05	28.14	35.19	23.02	22.47
December	26.72	27.06	26.21	32.79	21.45	20.95
January 2022	25.97	26.30	25.48	31.84	20.86	20.38
February	30.66	31.04	30.08	37.61	24.60	24.03
March	32.68	33.09	32.06	40.09	26.23	25.62
April	32.56	32.97	31.94	39.92	26.14	25.54
May	34.53	34.96	33.87	42.34	27.72	27.08
June	39.79	40.29	39.03	48.80	31.94	31.19

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7610.0600E

Electric Rate Schedules
June 1, 2022

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

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

RATE SCHEDULES

Section No. 5

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Date Filed:	10-16-20	By: Christopher B. Clark	Effective Date:	11-16-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-559		Order Date:	10-06-20

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Minneapolis, Minnesota 55401

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Date Filed:	03-08-21	By: Christopher B. Clark	Effective Date:	06-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-745		Order Date:	04-27-22

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Minneapolis, Minnesota 55401

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Date Filed:	08-14-20	By: Christopher B. Clark	Effective Date:	12-07-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-662		Order Date:	12-07-20

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Minneapolis, Minnesota 55401

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Date Filed:	08-14-20	By: Christopher B. Clark	Effective Date:	08-20-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-592		Order Date:	07-21-21

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Date Filed:	08-14-20	By: Christopher B. Clark	Effective Date:	08-20-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-592		Order Date:	07-21-21

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

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL SERVICE
RATE CODE A00, A01, A03**

Section No. 5
32nd 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
Other Months	\$0.08803	\$0.05988

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

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:	12-14-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

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

Section No. 5
10th 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.

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

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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.

Date Filed:	02-01-21	By: Christopher B. Clark	Effective Date:	04-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-688		Order Date:	06-28-21

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/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

RESIDENTIAL TIME OF DAY SERVICE RATE CODE A02, A04

Section No. 5
32nd 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
Other Months	\$0.16508	\$0.09284
Off Peak Period Energy Charge per kWh		
June - September	\$0.04170	\$0.04170
Other Months	\$0.04170	\$0.04170

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
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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:	12-14-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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
13th 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.

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

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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)

Date Filed:	02-01-21	By: Christopher B. Clark	Effective Date:	04-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-688		Order Date:	06-28-21

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.

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

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)

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/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

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

Section No. 5
2nd 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
Mid-Peak Period	\$0.09013
Off-Peak Period	\$0.02784
Other Months	
On-Peak Period	\$0.19266
Mid-Peak Period	\$0.07515
Off-Peak Period	\$0.02784

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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)

Date Filed:	12-14-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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
 1st Revised 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.

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

D
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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)

Date Filed:	02-01-21	By: Christopher B. Clark	Effective Date:	04-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-688		Order Date:	06-28-21

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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Date Filed:	11-01-17	By: Christopher B. Clark	Effective Date:	08-07-18
		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

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)

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/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

**RESIDENTIAL ELECTRIC VEHICLE SERVICE
RATE CODE A08**

Section No. 5
20th 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 (Windsource 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
Other Months	\$0.16508
Off-Peak Period Energy Charge per kWh	\$0.04170

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

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)

Date Filed:	12-14-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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.

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

ELECTRIC VEHICLE HOME SERVICE
RATE CODE A80, A81

Section No. 5
6th Revised Sheet No. 7

AVAILABILITY

Available 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. Installation-Only Service is available for customers who have purchased a compatible EV charger before the launch date of the Electric Vehicle Home Service. 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.

N

Enrollment in the Residential Electric Vehicle Pilot Service previously available under these rate codes is no longer available.

CONTRACT

Customers must contract for this service through an Electric Vehicle Home Service/Voluntary Electric Vehicle Charger Service Customer Service Agreement with the Company. The contract period will be as long as the customer wishes to use the equipment.

Customers who initially contracted for the Residential Electric Vehicle Pilot Service through an Electric Vehicle Pilot Electric Service Agreement can still take service under that agreement through the end of the 24-month initial term. At the end of that agreement, the customer can continue service by contracting through the service through an Electric Vehicle Home Service/Voluntary Electric Vehicle Charger Service Customer Service Agreement or terminate their service at no cost to them.

N

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*Connect Pilot Program (Windsor Program) Rider, or other available rate schedule for voluntary renewable energy supply that is applicable.

ND

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.

(Continued on Sheet No. 5-7.1)

Date Filed:	08-30-19	By: Christopher B. Clark	Effective Date:	11-16-20
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-19-559		Order Date:	10-06-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ELECTRIC VEHICLE HOME SERVICE RATE CODE A80, A81

Section No. 5
Original Sheet No. 7.1

RATE

Customer Charge per Month	
Bundled (A80)	\$16.48
Pre-Pay Option/Installation Only (A81)	\$6.68
Energy Charge per kWh	
June – September	
On-Peak Period	\$0.22576
Mid-Peak Period	\$0.09013
Off-Peak Period	\$0.02784
Other Months	
On-Peak Period	\$0.19266
Mid-Peak Period	\$0.07515
Off-Peak Period	\$0.02784

N

PRE-PAY/INSTALLATION ONLY OPTION

The Pre-Pay/Installation Only 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, or who have purchased a compatible EV charger before the launch date of the Electric Vehicle Home Service

Customers choosing the Installation-Only Service are also responsible for a \$240 charge covering the cost of installing and setting up the customer-owned charger for integration with the Company's systems and participation in the program.

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.

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.

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(Continued on Sheet No. 7.2)

Date Filed:	08-30-19	By: Christopher B. Clark	Effective Date:	11-16-20
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-19-559	Order Date:	10-06-20	

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ELECTRIC VEHICLE HOME SERVICE
RATE CODE A80, A81**

Section No. 5
1st Revised Sheet No. 7.1

RATE

Customer Charge per Month	
Bundled (A80)	\$16.48
Pre-Pay Option/Installation Only (A81)	\$6.68
Energy Charge per kWh	
June – September	
On-Peak Period	\$0.22576
Mid-Peak Period	\$0.09013
Off-Peak Period	\$0.02784
Other Months	
On-Peak Period	\$0.19266
Mid-Peak Period	\$0.07515
Off-Peak Period	\$0.02784

PRE-PAY/INSTALLATION ONLY OPTION

The Pre-Pay/Installation Only 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, or who have purchased a compatible EV charger before the launch date of the Electric Vehicle Home Service

Customers choosing the Installation-Only Service are also responsible for a \$240 charge covering the cost of installing and setting up the customer-owned charger for integration with the Company's systems and participation in the program.

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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.

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.

(Continued on Sheet No. 7.2)

Date Filed:	12-14-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**ELECTRIC VEHICLE HOME SERVICE
RATE CODE A80, A81**

Section No. 5
Original Sheet No. 7.2

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. Definition of on-peak and off-peak period is subject to change with change in Company's system operating characteristics.

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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. Electric Vehicle Home 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 Home Service/Voluntary Electric Vehicle Charger Service Customer Service Agreement with the Company.

N

Date Filed: 10-16-20

By: Christopher B. Clark

Effective Date: 11-16-20

President, Northern States Power Company, a Minnesota Corporation

Docket No. E002/M-19-559

Order Date: 10-06-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

VOLUNTARY ELECTRIC VEHICLE CHARGER SERVICE
RATE CODE A76, A77

Section No. 5
 5th Revised Sheet No. 8

AVAILABILITY

Available to residential customers taking service under the Residential Time of Day (Rate Codes A02 and A04) to provide electric vehicle charging equipment to serve electric vehicle loads including battery charging and accessory usage. Customers' energy usage will be billed based on their applicable rate codes. 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. Customers electing Pre-Pay Option service are separately invoiced at the time of installation. Installation-Only Service is available for customers who have purchased a compatible EV charger before the launch date of the Voluntary Electric Vehicle Charger Service. 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 Home Service/Voluntary Electric Vehicle Charger Service Customer Service Agreement with the Company. The contract period will be as long as the customer wishes to use the equipment

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.

COST OF SERVICE

Customer Charge per Month	
Bundled (A76)	\$12.09
Pre-Pay/Installation Only Option (A77)	\$2.30

PRE-PAY/INSTALLATION-ONLY OPTION

The Pre-Pay/Installation Only 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, or who have purchased a compatible EV charger before the launch date of the Electric Vehicle Home Service. Customers choosing the Installation-Only Service are also responsible for a \$240 charge covering the cost of installing and setting up the customer-owned charger for integration with the Company's systems and participation in the program.

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. Voluntary Electric Vehicle Charger Service shall be serviced through wiring connected to customer's single meter provided for Residential Service.
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. 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.
4. This schedule is also subject to provisions contained in Rules for Application of Residential Rates.
5. Customer must execute an Electric Vehicle Home Service Customer Service Agreement with the Company.

Date Filed:	11-27-20	By: Christopher B. Clark	Effective Date:	11-27-20
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-19-559		Order Date:	11-17-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION
PILOT SERVICE
RATE CODE A82, A83**

Section No. 5
Original Sheet No. 8.1

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 Subscription Pilot Electric Service Agreement with the Company. The initial contract period will normally be for 24 months. Contract allows customers to participate with only one electric vehicle.

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 Expected Average Electric Vehicle 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.

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(Continued on Sheet No. 5-8.2)

Date Filed:	02-22-19	By: Christopher B. Clark	Effective Date:	10-07-19
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-19-186		Order Date:	10-07-19

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION
PILOT SERVICE (Continued)
RATE CODE A82, A83**

Section No. 5
2nd Revised Sheet No. 8.2

RATE

Customer Charge per Month

<u>General System Energy</u>	
Bundled (A82)	\$42.50
Pre-Pay Option (A83)	\$32.65

<u>Renewable Energy (Windsor)</u>	
Bundled (A82)	\$45.02
Pre-Pay Option (A83)	\$35.17

Excess On-Peak Period Energy Charge per kWh	
June - September	\$0.20497
Other Months	\$0.16508

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.

FUEL CLAUSE

The monthly customer charge includes preset fuel charges for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

The monthly customer charge includes a preset Resource Adjustment charge for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges 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.

(Continued on Sheet No. 5-8.3)

Date Filed:	11-27-20	By: Christopher B. Clark	Effective Date:	11-27-20
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-19-559	Order Date:		11-17-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION
PILOT SERVICE (Continued)
RATE CODE A82, A83**

Section No. 5
3rd Revised Sheet No. 8.2

RATE

Customer Charge per Month

General System Energy

Bundled (A82)	\$42.50
Pre-Pay Option (A83)	\$32.65

Renewable Energy (Windsor)

Bundled (A82)	\$45.02
Pre-Pay Option (A83)	\$35.17

Excess On-Peak Period Energy Charge per kWh

June - September	\$0.20497
Other Months	\$0.16508

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.

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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

FUEL CLAUSE

The monthly customer charge includes preset fuel charges for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges are subject to the adjustments provided for in the Fuel Clause Rider.

RESOURCE ADJUSTMENT

The monthly customer charge includes a preset Resource Adjustment charge for established energy usage during off-peak and on-peak periods. Excess on-peak period energy charges 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.

(Continued on Sheet No. 5-8.3)

Date Filed:	12-14-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL ELECTRIC VEHICLE SUBSCRIPTION
PILOT SERVICE (Continued)
RATE CODE A82, A83

Section No. 5
Original Sheet No. 8.3

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 EXPECTED AVERAGE ELECTRIC VEHICLE KWH USAGE

The expected average electric vehicle kWh usage is defined as the Company's estimated average monthly EV energy consumption across all pilot participants.

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 Subscription 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 Subscription Pilot Service Agreement with the Company.

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Date Filed:	02-22-19	By: Christopher B. Clark	Effective Date:	10-07-19
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-19-186		Order Date:	10-07-19

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)

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/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

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

Section No. 5
31st 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
Optional		
June - September	\$0.10301	\$0.09256
Other Months	\$0.04487	\$0.04487

OPTIONAL ENERGY CHARGE

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

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to Residential rate components and a 13.52% Interim Rate Surcharge will be applied to Commercial rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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)

Date Filed:	12-14-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (NON-DEMAND METERED)

Section No. 5

(Continued)

9th Revised Sheet No. 10

RATE CODE A05

MONTHLY MINIMUM CHARGE

Customer Charge.

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.

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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)

Date Filed: 02-01-21

By: Christopher B. Clark

Effective Date: 04-01-21

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-19-688

Order Date: 06-28-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ENERGY CONTROLLED SERVICE (NON-DEMAND METERED)

Section No. 5

(Continued)

5th Revised Sheet No. 10.1

RATE CODE A05

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.

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

**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)

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/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

LIMITED OFF PEAK SERVICE RATE CODE A06

Section No. 5
34th 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
Primary Voltage	--	\$0.03560
Transmission Transformed	--	\$0.03398
Transmission	--	\$0.03388

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to residential rate components and a 13.52% Interim Rate Surcharge will be applied to Commercial Rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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N

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)

Date Filed:	12-14-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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
9th Revised Sheet No. 11.1

ENVIRONMENTAL IMPROVEMENT RIDER

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

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(Continued on Sheet No. 5-12)

Date Filed:	02-01-21	By: Christopher B. Clark	Effective Date:	04-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-688		Order Date:	06-28-21

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.

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Date Filed:	10-01-18	By: Christopher B. Clark	Effective Date:	01-01-19
		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

RULES FOR APPLICATION OF RESIDENTIAL RATES

Section No. 5
9th 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, Voluntary Electric Vehicle Charger Service, Electric Vehicle Home Service, Residential Electric Vehicle Pilot Service, Residential Electric Vehicle Subscription Pilot Service and Automatic Protective Lighting Service rate schedules are also available to qualifying residential customers. C
C
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.
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.

Date Filed: 08-20-19

By: Christopher B. Clark

Effective Date: 11-16-20

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-19-559

Order Date: 10-06-20

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
24th 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>(Lumens)</u>	<u>Monthly Rate Per Unit</u>	
Area Units			
100W High Pressure Sodium		\$7.41	
175W Mercury (1)		\$7.41	
250W High Pressure Sodium		\$11.83	
400W Mercury (1)		\$11.83	
30-45W Light Emitting Diode	(4,000)	\$7.28	N
110-165W Light Emitting Diode	(14,000)	\$11.33	N
Directional Units			
250W High Pressure Sodium		\$14.08	
400W High Pressure Sodium		\$17.62	
1,000W Mercury (1)		\$27.33	

(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)

Date Filed:	11-21-18	By: Christopher B. Clark	Effective Date:	07-09-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-729		Order Date:	05-10-19

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
25th 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>(Lumens)</u>	<u>Monthly Rate Per Unit</u>
Area Units		
100W High Pressure Sodium		\$7.41
175W Mercury (1)		\$7.41
250W High Pressure Sodium		\$11.83
400W Mercury (1)		\$11.83
30-45W Light Emitting Diode	(4,000)	\$7.28
110-165W Light Emitting Diode	(14,000)	\$11.33
Directional Units		
250W High Pressure Sodium		\$14.08
400W High Pressure Sodium		\$17.62
1,000W Mercury (1)		\$27.33

(1) Available to existing installations only.

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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N
N

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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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.

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**RESIDENTIAL OPTIMIZE CHARGE**

Section No. 5
Original Sheet No. 16

AVAILABILITY

This Pilot is applicable for three years from the original effective date of this rate schedule.

Available to residential customers under the Residential (A01,A03), Residential Time of Day (A02, A04), Residential Time of Use Pilot Program (A72, A74), Residential Electric Vehicle Service (A08), Electric Vehicle Home Service (A80, A81), Voluntary Electric Vehicle Charger Service (A76, A77), Residential Electric Vehicle Subscription (A82 and A84) for customers who own or lease light duty electric vehicles (EVs) and charge them at a home address that receives electricity from Northern States Power Company.

Participating customers agree to utilize the charging schedule they select during the enrollment process to shift EV charging into hours that are better for the power grid, while still meeting driving requirements, and agree to share essential enrollment and charging data with Xcel Energy.

BILL CREDIT

The Pilot is available to residential electric customers who own or lease a light-duty electric vehicle (EV). Participating customers will receive a yearly \$50 Bill Credit.

TERMS AND CONDITIONS OF SERVICE**1. Eligibility**

1.1 Residential customers meeting the following criteria are eligible to participate in the Pilot:

- Own or lease an EV;
- Have an active Xcel Energy account that receives electric service in Minnesota under an eligible rate;
- Be a residential customer and charge an electric vehicle at the customer's home address in Minnesota;
- Use eligible charging equipment or drive an eligible vehicle;
- Complete a Pilot application and be selected by Xcel Energy to participate in the Pilot (Participation in the Pilot will be determined by Xcel Energy, in its sole discretion);

For a participating customer, failure to meet any of the above eligibility requirements at any time will void any obligation Xcel Energy has to provide the Bill Credit, and Xcel Energy may immediately terminate the customer's participation in the Pilot.

(Continued on Sheet 16.1)

Date Filed:	04-14-22	By: Christopher B. Clark	Effective Date:	05-26-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-21-101		Order Date:	03-15-22

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL OPTIMIZE CHARGE (continued)

Section No. 5

Original Sheet No. 16.1

1. Customer Communications

- 2.1 Customer consents to receive communications from Xcel Energy relating to the Pilot in electronic or text-based form and sent to Customer's email address or phone provided during enrollment.

3. Compliance with Terms and Conditions

- 3.1 Xcel Energy reserves the right to refuse payment if the customer violates Pilot terms and conditions.

4. Pilot Requirements

- 4.1 Provide accurate and complete information as part of participation in the Pilot; Xcel Energy is not responsible for any harm caused by the customer or customer misstatements, misrepresentations, or failure to provide accurate and complete information.
- 4.2 If required by the Pilot Vendor (selected by Xcel Energy), the customer will: download any Vendor software application required for Pilot participation; install any Vendor hardware required for Pilot participation; comply with any Vendor terms and conditions; and meet any other requirements of the Vendor related to Pilot participation.
- 4.3 For customers relying on the use of a networked charging station for participation, the charging station must be connected to the Vendor's network via the customer's home Wi-Fi network and be able to maintain on-going and stable connection throughout the Pilot.
- 4.3.1 Customers driving eligible vehicles may supply their charging data through one of the Company's Pilot Vendors listed at www.xcelenergy.com. If customer is relying on the built-in telematics of their EV for participation in the Pilot, their EV must be connected to the Pilot Vendor; and
- 4.4 Customers agree to these Pilot Terms and to participate in the Pilot as set forth in these Pilot Requirements.

5. Sharing of Xcel Energy Customer Information

- 5.1 Xcel Energy will provide Vendors with data ("Customer Information"), including, but not limited to, one or more of the following: name, address, vehicle identification number (VIN), charging station serial number, and e-mail address, for the purposes of allowing the Vendor to carry-out services in relation to this Pilot. Upon enrolling, Vendors will share information about the customer's charging ("Charging Data") with Xcel Energy that includes but is not limited to when the customer plug-ins and charges the EV, how much energy is used in charging the EV, the state of charge of the vehicle before and after plugging in, and the use of a charging schedule.
- 5.2 Vendors will be required to follow all applicable rules and requirements for data sharing as defined by Minnesota Public Utilities Commission rulings.
- 5.3 Xcel Energy may share this data directly with service providers performing services on behalf of Xcel Energy, and will use this data to validate the customer's eligibility to participate in the Pilot, to study and evaluate the benefits that the Pilot provides to the power grid, in connection with proceedings before the Minnesota Public Utilities Commission, to design future EV and demand management programs, to support power grid planning and management, to share aggregated and anonymized findings, and to inform Program operations.

(Continued on Sheet 16.2)

Date Filed: 04-14-22

By: Christopher B. Clark

Effective Date: 05-26-22

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-21-101

Order Date: 03-15-22

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**RESIDENTIAL OPTIMIZE CHARGE (Continued)**

Section No. 5
Original Sheet No. 16.2

- 5.4 Customers will be able to opt-out of sharing non-essential data.
- 5.5 If the Customer withdraws from the Pilot or if the Pilot is discontinued by Xcel Energy, Xcel Energy and Manufacturers will cease the sharing of Xcel Energy Customer Information and Charging Data without reasonable delay.

6. Schedule Determination and Use

- 6.1 During enrollment, a customer will select a charging schedule from a set of options presented to the customer by Xcel Energy that will be used for the EV home charging under the Pilot. The charging schedule is based on the customer's charging needs and the customer's answers to questions during the enrollment process. Customers who believe the charging schedule options presented will not meet the customer's charging needs can email Xcel Energy at electricvehicles@xcelenergy.com to discuss potential adjustment to the charging schedule.
- 6.2 Xcel Energy recommends automatically limiting EV charging to the hours allowed by entering the charging schedule into the EV charging station or into the EV smart application; however, a customer may implement the charging schedule in any manner that is suitable to the customer.
- 6.3 The customer may override the recommended charging schedule, without penalty, whenever it is necessary to meet the customer's driving requirements. The customer must, however, maintain the minimum threshold set forth in paragraph 7.1.

7. Participation Details

- 7.1 In order to remain enrolled in the Pilot, 25% of the participating EV charging sessions must be conducted during the customer-selected charging schedule. Xcel Energy will review participation on a quarterly basis and assess compliance for each full year of participation measured from the Enrollment Date. Xcel Energy will remove a customer from the Pilot if it has determined, at its sole discretion, that the customer did not meet this participation level.

(Continued on Sheet 16.3)

Date Filed:	04-14-22	By: Christopher B. Clark	Effective Date:	05-26-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-21-101		Order Date:	03-15-22

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RESIDENTIAL OPTIMIZE CHARGE (Continued)

Section No. 5
 Original Sheet No. 16.3

8. Pilot Term and Withdrawal

- 8.1 Customer may withdraw from the Pilot at any time without penalty.
- 8.2 Xcel Energy may discontinue the Pilot at any time for any reason.
 Xcel Energy will make best efforts to provide Pilot participants a discontinuation notice at least thirty (30) days prior to such termination date.
- 8.3 Customer will notify Xcel Energy by emailing electricvehicles@xcelenergy.com in the event the customer wishes to unenroll from the Pilot, if the ownership of the EV enrolled in the Pilot changes, or if the customer moves out of Xcel Energy's Minnesota service territory.
- 8.4 If Xcel Energy becomes aware that the enrolled EV has changed ownership or that the customer has moved outside of Xcel Energy's Minnesota service territory, without first being informed by the customer, it will be deemed by Xcel Energy as a Customer-initiated termination of this Agreement.
- 8.5 If the customer terminates this Agreement prior to October 1 of any year that the Pilot continues, or if Xcel Energy terminates this Agreement because of the customer's failure to honor the terms of this Agreement at any time, or upon discovery of any tampering with vehicle equipment, then Xcel Energy shall have the right to terminate this Agreement immediately and discontinue payment of the Bill Credit.

9. Limitations

- 9.1 Pilot terms are subject to change any time. Please visit www.xcelenergy.com to determine whether any Pilot changes have occurred. Any material changes will be communicated the customer by e-mail using the e-mail address provided.
- 9.2 If customer enrolls more than one eligible vehicle or charging station, they will receive a Bill Credit for each vehicle and charging station enrolled. A single EV and charging station can only be enrolled to participate once—the same vehicle and charging station cannot be registered by multiple accounts.
- 9.3 Xcel Energy reserves the right to modify all Pilot incentives based on future performance, Pilot modifications, technology upgrades, and changes to Xcel Energy's electrical distribution system. Any such changes will be communicated to Customer by e-mail using the e-mail address provided by the Customer at least thirty (30) days prior to deployment of such changes.
- 9.4 Customer agrees not to tamper with vehicle, vehicle data, charging station, charging station data, or any hardware related to the Pilot and to reasonably attempt to restrict access by others attempting to tamper with the vehicle, vehicle data, charging station, charging station data, or Pilot-related hardware (as applicable). If Xcel Energy or its Vendors identify any evidence of tampering, the customer will be removed from the Pilot. The customer agrees to protect and hold harmless Xcel Energy from any and all claims, damages and liability caused by the customer's fault or negligence, or customer's failure to comply. If Xcel Energy is made a party (without fault on its part) to any lawsuit or arbitration started by or against the customer, they agree to protect and hold Xcel Energy harmless, and to pay all costs, expenses and reasonable attorneys' fees incurred or paid by Xcel Energy in connection with that lawsuit or arbitration. Customer agrees to pay all costs, expenses and reasonable attorneys' fees that Xcel Energy may incur or pay in enforcing this agreement.

(Continued on Sheet 16.4)

Date Filed:	04-14-22	By: Christopher B. Clark	Effective Date:	05-26-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-21-101		Order Date:	03-15-22

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**RESIDENTIAL OPTIMIZE CHARGE (Continued)**

Section No. 5

Original Sheet No. 16.4

9.5 Participation in the Pilot is entirely voluntary. Xcel Energy and vendor do not assume any responsibility for customer's EV, the inability to use or unavailability of the EV, or any damages to or incurred by the customer EV or charging station which may result from participation in the Pilot. In no event, whether based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise, shall Xcel Energy or vendor be liable to the customer for special, indirect, exemplary, punitive, incidental, or consequential damages whatsoever including, without limitation, loss of profits or revenue, and in no event shall Xcel Energy's or Vendor's liability on any claim of any kind, or from any loss or damage arising out of or in connection with or resulting from the pilot, these pilot terms, or from performance or breach thereof, exceed the total amount of the participation reward.

10. Requirements

- 10.1 Customer agrees to maintain services needed to participate in the Pilot at no expense to Xcel Energy. These services may include but are not limited to subscription services with the Manufacturer of the enrolled vehicle to allow communication between the Manufacturer and the EV. Depending on the EV and the Manufacturer, this may require the Customer to activate and/or pay for a subscription. For further information, please communicate with the EV Manufacturer. This is applicable for customers that provide their Charging Data through one of the Vehicle Vendors listed at xcelenergy.com.
- 10.2 Customer agrees to maintain a functioning high-speed internet connection that allows the charging station to gather Charging Data at no expense to Xcel Energy. This is applicable for customers that provide their Charging Data to Xcel Energy through one of the Charging Station Vendors listed at xcelenergy.com.
- 10.3 Customer is responsible for maintaining in working order home EV charging or electrical equipment and the participating EV.
- 10.4 Customer is responsible for downloading any Vendor software application required for Pilot participation.
- 10.5 Customer responsible for installing any hardware from the Vendor that is required for Pilot participation.

11. Governing Law; Disputes.

- 11.1 The Customer and Xcel Energy agree that all disputes arising out of these Pilot Terms or the Pilot shall be subject to this section. The internal laws of the State of Minnesota, without regard to conflicts of law's provisions, govern the Pilot and these Pilot Terms and any action brought with respect to the Pilot Terms or the Pilot shall be brought in the courts located in Minneapolis, Minnesota.

Date Filed: 04-14-22

By: Christopher B. Clark

Effective Date: 05-26-22

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-21-101

Order Date: 03-15-22

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)	\$3.61	R
per Month per kW of Connected Load		

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)

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/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

SMALL GENERAL SERVICE

Section No. 5

RATE CODE A09, A10, A11, A13

32nd 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
Other Months	\$0.07757

Demand Charge (Direct Current Only) per Month per kW of Connected Load	\$3.61
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INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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N
N

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)

Date Filed: 10-25-21	By: Christopher B. Clark President, Northern States Power Company, a Minnesota corporation	Effective Date: 01-01-22
Docket No. E002/GR-21-630		Order Date: 12-23-21

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
9th 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.

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

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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.

Date Filed:	02-01-21	By: Christopher B. Clark	Effective Date:	04-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-688		Order Date:	06-28-21

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)

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/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

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

Section No. 5
 32nd 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
Off Peak Period (A12)	\$0.04170	\$0.04170
Constant Hourly (A16, A18, A22) (= 35% On, 65% Off)	\$0.06814	\$0.07919

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

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:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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
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)

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 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.

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.

Date Filed:	10-01-18	By: Christopher B. Clark	Effective Date:	01-01-19
		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

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

Order Date: 09-01-06

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

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/GR05-1428		Order Date:	09-01-06

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>	
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
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)

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/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

**GENERAL SERVICE
RATE CODE A14**

Section No. 5
32nd 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>
Demand Charge per Month per kW	\$10.49	\$14.79
Energy Charge per kWh	\$0.03407	
Energy Charge Credit per Month per kWh		
All kWh in Excess of 400 Hours	\$0.01518	
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
Transmission Transformed Voltage	\$1.55	\$0.00267
Transmission Voltage	\$2.35	\$0.00277

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

Northern States Power Company, a Minnesota corporation
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)

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

GENERAL SERVICE (Continued)

Section No. 5

RATE CODE A147th 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)

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

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.

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

**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)

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

Section No. 5
28th 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
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	
Off Peak Period Energy	\$0.02341	
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	
	<u>January - December</u>	
Voltage Discounts per Month	<u>Per kW</u>	<u>Per kW</u>
Primary Voltage	\$0.80	\$0.00105
Transmission Transformed Voltage	\$1.55	\$0.00267
Transmission Voltage	\$2.35	\$0.00277

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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(Continued on Sheet No. 5-30)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

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)

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

GENERAL TIME OF DAY SERVICE (Continued)

Section No. 5

RATE CODE A15, A17, A198th 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)

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

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)

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

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.

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (CLOSED)
RATE CODE A20

Section No. 5
13th Revised Sheet No. 33

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-04-1528		Order Date:	09-01-06

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

PEAK CONTROLLED SERVICE (CLOSED) (Continued)
RATE CODE A20

Section No. 5
3rd Revised Sheet No. 34

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

Order Date: 09-01-06

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

PEAK CONTROLLED SERVICE (CLOSED) (Continued)
RATE CODE A20

Section No. 5
2nd Revised Sheet No. 35

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.	E002GR-05-1428		Order Date:	09-01-06

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

PEAK CONTROLLED SERVICE (CLOSED) (Continued)
RATE CODE A20

Section No. 5
1st Revised Sheet No. 35.1

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		Order Date:	09-01-06

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

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

Section No. 5
8th Revised Sheet No. 36

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		Order Date:	09-01-06

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

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

Section No. 5
8th Revised Sheet No. 37

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		Order Date:	09-01-06

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

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

Section No. 5
2nd Revised Sheet No. 38

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

Order Date: 09-01-06

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

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

Section No. 5
1st Revised Sheet No. 39

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		Order Date:	09-01-06

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE RATE CODE A23

Section No. 5
23rd 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. Waivers to certain controllable load requirements, cancellation charges and notice requirements are in effect through December 31, 2020 or the end of the COVID-19 peacetime emergency as declared by the Governor, whichever is later.

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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	
Energy Charge Credit per Month per kWh		
All kWh in Excess of 400 Hours	\$0.01518	
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
Other Months	\$10.49	\$10.49
Controllable Demand (Jan-Dec)		
Level A: < 65% PF	Not Available	\$8.88
Level B: ≥ 65% and < 85% PF	\$7.15	\$7.86
Level C: ≥ 85% PF	\$6.56	\$7.34
Short Notice Rider	\$6.09	Not Available
<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
Transmission Voltage	\$2.35	\$0.00277

(Continued on Sheet No. 5-41)

Date Filed:	10-27-20	By: Christopher B. Clark	Effective Date:	10-20-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-503		Order Date:	10-20-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

PEAK CONTROLLED SERVICE (Continued)

Section No. 5

RATE CODE A23

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)

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

PEAK CONTROLLED SERVICE (Continued)
RATE CODE A23

Section No. 5
19th Revised Sheet No. 41

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

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)

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

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).

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

PEAK CONTROLLED TIME OF DAY SERVICE RATE CODE A24

Section No. 5
18th 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. Waivers to certain controllable load requirements, cancellation charges and notice requirements are in effect through December 31, 2020 or the end of the COVID-19 peacetime emergency as declared by the Governor, whichever is later.

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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
Off Peak Period Energy	\$0.02341
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

(Continued on Sheet No. 5-45)

Date Filed:	10-27-20	By: Christopher B. Clark	Effective Date:	10-20-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-503		Order Date:	10-20-20

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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: \geq 65% and < 85% PF	\$7.15	\$7.86	R
Level C: \geq 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)

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/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
PEAK CONTROLLED TIME OF DAY SERVICE

Section No. 5

(Continued)

26th Revised Sheet No. 45

RATE CODE A24
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
Other Months	\$10.49	\$10.49
Controllable Demand (Jan-Dec)		
Level A: < 65% PF	Not Available	\$8.88
Level B: ≥ 65% and < 85% PF	\$7.15	\$7.86
Level C: ≥ 85% PF	\$6.56	\$7.34
Short Notice Rider	\$6.09	Not Available
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
Transmission Transformed Voltage	\$1.55	\$0.00267
Transmission Voltage	\$2.35	\$0.00277

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

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)

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

**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)

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

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).

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

**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)

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**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)

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

**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.

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

COMMERCIAL OPTIMIZE YOUR CHARGE

Section No. 5
Original Sheet No. 50.6

AVAILABILITY

This Pilot is applicable for three years from the original effective date of this rate schedule.

Available to Commercial Customers under the Small General (A10), Small General Time of Day (A12, A16), General Service (A14), General Time of Day (A15, A17), and Electric Vehicle Fleet Pilot Service (A87, A88, A89), for customers who own or lease light duty electric vehicles (EVs) and charge them at a commercial address that receives electricity from Northern States Power Company.

Participating customers agree to utilize the charging schedule they select during the enrollment process to shift EV charging into hours that are better for the power grid, while still meeting driving requirements, and agree to share essential enrollment and charging data with Xcel Energy.

BILL CREDIT

The Pilot is available to commercial electric customers who own or lease a light-duty electric vehicle (EV). Participating customers will receive a yearly \$50 Bill Credit.

TERMS AND CONDITIONS

1. Eligibility

1.2 Commercial customers meeting the following criteria Customers meeting the following criteria are eligible to participate in Pilot:

- Be a commercial customer and charge an electric vehicle at the customer's business address in Minnesota;
- Use eligible charging equipment or drive an eligible vehicle;
- Complete a Pilot application and be selected by Xcel Energy to participate in the Pilot (Participation in the Pilot will be determined by Xcel Energy, in its sole discretion);

For a participating customer, failure to meet any of the above eligibility requirements at any time will void any obligation Xcel Energy has to provide the Bill Credit, and Xcel Energy may immediately terminate the customer's participation in the Pilot.

2. Customer Communications

2.1 Customer consent to receive communications from Xcel Energy relating to the Pilot in electronic or text-based form and sent to your email address or phone provided during enrollment.

3. Compliance with Terms and Conditions

3.1 Xcel Energy reserves the right to refuse payment if the customer violates Pilot Terms and Conditions.

(continued on Sheet No. 5-50-7)

Date Filed:	04-14-22	By: Christopher B. Clark	Effective Date:	05-26-22
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-21-101		Order Date:	03-15-22

Northern States Power Company, a Minnesota corporation

Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

COMMERCIAL OPTIMIZE YOUR CHARGE (Continued)

Section No. 5
Original Sheet No. 50.7

4. Pilot Requirements

- 4.1 Provide accurate and complete information as part of participation in the Pilot; Xcel Energy is not responsible for any harm caused by the customer or customer misstatements, misrepresentations, or failure to provide accurate and complete information.
- 4.2 If required by the Pilot Vendor (selected by Xcel Energy), the customer will: download any Vendor software application required for Pilot participation; install any Vendor hardware required for Pilot participation; comply with any Vendor terms and conditions; and meet any other requirements of the Vendor related to Pilot participation.
- 4.3 For customers relying on the use of a networked charging station for participation, the charging station must be connected to the Vendor's network via the customer's Wi-Fi network and be able to maintain on-going and stable connection throughout the Pilot.
- 4.3.1 Customers driving eligible vehicles may supply their charging data through one of the Company's Pilot Vendors identified at www.xcelenergy.com. If customer is relying on the built-in telematics of their EV for participation in the Pilot, their EV must be connected to the Pilot Vendor; and
- 4.4 Customers agree to these Pilot Terms and to participate in the Pilot as set forth in these Pilot Terms.

5. Sharing of Xcel Energy Customer Information

- 5.1 Xcel Energy will provide Vendors with data ("Customer Information"), including, but not limited to, one or more of the following: name, address, vehicle identification number (VIN), charging station serial number, and e-mail address, for the purposes of allowing the Vendor to carry-out services in relation to this Pilot. Upon enrolling, Vendors will share information about the customer's business charging ("Charging Data") with Xcel Energy that includes but is not limited to when the customer plug-ins and charges the EV, how much energy is used in charging the EV, the state of charge of the vehicle before and after plugging in, and the use of a charging schedule.
- 5.2 Vendors will be required to follow all applicable rules and requirements for data sharing as defined by Minnesota Public Utilities Commission rulings.
- 5.3 Xcel Energy may share this data directly with service providers performing services on behalf of Xcel Energy, and will use this data to validate the customer's eligibility to participate in the Pilot, to study and evaluate the benefits that the Pilot provides to the power grid, in connection with proceedings before the Minnesota Public Utilities Commission, to design future EV and demand management programs, to support power grid planning and management, to share aggregated and anonymized findings, and to inform Program operations.
- 5.4 Customers will be able to opt-out of sharing non-essential data.
- 5.5 If the Customer withdraws from the Pilot or if the Pilot is discontinued by Xcel Energy, Xcel Energy and Manufacturers will cease the sharing of Xcel Energy Customer Information and Charging Data without reasonable delay.

(continued on Sheet No. 5-50-8)

Date Filed:	04-14-22	By: Christopher B. Clark	Effective Date:	05-26-22
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-21-101		Order Date:	03-15-22

Northern States Power Company, a Minnesota corporation

Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

COMMERCIAL OPTIMIZE YOUR CHARGE (Continued)

Section No. 5
Original Sheet No. 50.8

6. Schedule Determination and Use

- 6.1 During enrollment, a customer will select a charging schedule from a set of options presented to the customer by Xcel Energy that will be used for the EV business charging under the Pilot. The charging schedule is based on the customer's charging needs and the customer's answers to questions during the enrollment process. Customers who believe the charging schedule options presented will not meet the customer's charging needs can email Xcel Energy at electricvehicles@xcelenergy.com to discuss potential adjustment to the charging schedule.
- 6.2 Xcel Energy recommends automatically limiting EV charging to the hours allowed by entering the charging schedule into the EV charging station or into the EV smart application; however, a customer may implement the charging schedule in any manner that is suitable to the customer.
- 6.3 The customer may override the recommended charging schedule, without penalty, whenever it is necessary to meet the customer's driving requirements. The customer must, however, maintain the minimum threshold set forth in paragraph 7.1.

7. Participation Details

- 7.1 In order to remain enrolled in the Pilot, 25% of the participating EV charging sessions must be conducted during the customer-selected charging schedule. Xcel Energy will review participation on a quarterly basis and assess compliance for each full year of participation measured from the Enrollment Date. Xcel Energy will remove a customer from the Pilot if it has determined, at its sole discretion, that the customer did not meet this participation level.

8. Pilot Term and Withdrawal

- 8.1 Customer may withdraw from the Pilot at any time without penalty.
- 8.2 Xcel Energy may discontinue the Pilot at any time for any reason. Xcel Energy will make best efforts to provide Pilot participants a discontinuation notice at least thirty (30) days prior to such termination date.
- 8.3 Customer will notify Xcel Energy by emailing electricvehicles@xcelenergy.com in the event the customer wishes to unenroll from the Pilot, if the ownership of the EV enrolled in the Pilot changes, or if the customer moves out of Xcel Energy's Minnesota service territory.
- 8.4 If Xcel Energy becomes aware that the enrolled EV has changed ownership or that the customer has moved outside of Xcel Energy's Minnesota service territory, without first being informed by the customer, it will be deemed by Xcel Energy as a Customer-initiated termination of this Agreement.
- 8.5 If the customer terminates this Agreement prior to October 1 of any year that the Pilot continues, or if Xcel Energy terminates this Agreement because of the customer's failure to honor the terms of this Agreement at any time, or upon discovery of any tampering with vehicle equipment, then Xcel Energy shall have the right to terminate this Agreement immediately and discontinue payment of the Bill Credit.

(continued on Sheet No. 5-50-9)

Date Filed:	04-14-22	By: Christopher B. Clark	Effective Date:	05-26-22
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-21-101		Order Date:	03-15-22

Northern States Power Company, a Minnesota corporation

Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

COMMERCIAL OPTIMIZE YOUR CHARGE (Continued)

Section No. 5
Original Sheet No. 50.9

9. Limitations

- 9.1 Pilot terms are subject to change any time. Please visit www.xcelenergy.com to determine whether any Pilot changes have occurred. Any material changes will be communicated the customer by e-mail using the e-mail address provided.
- 9.2 If customer enrolls more than one eligible vehicle or charging station, they will receive a Bill Credit for each vehicle and charging station enrolled. A single EV and charging station can only be enrolled to participate once—the same vehicle and charging station cannot be registered by multiple accounts.
- 9.3 Xcel Energy reserves the right to modify all Pilot incentives based on future performance, Pilot modifications, technology upgrades, and changes to Xcel Energy's electrical distribution system. Any such changes will be communicated to Customer by e-mail using the e-mail address provided by the Customer at least thirty (30) days prior to deployment of such changes.
- 9.4 Customer agrees not to tamper with vehicle, vehicle data, charging station, charging station data, or any hardware related to the Pilot and to reasonably attempt to restrict access by others attempting to tamper with the vehicle, vehicle data, charging station, charging station data, or Pilot-related hardware (as applicable). If Xcel Energy or its Vendors identify any evidence of tampering, the customer will be removed from the Pilot. The customer agrees to protect and hold harmless Xcel Energy from any and all claims, damages and liability caused by customer fault or negligence, or customer's failure to comply. If Xcel Energy is made a party (without fault on its part) to any lawsuit or arbitration started by or against the customer, they agree to protect and hold Xcel Energy harmless, and to pay all costs, expenses and reasonable attorneys' fees incurred or paid by Xcel Energy in connection with that lawsuit or arbitration. Customer also agree to pay all costs, expenses and reasonable attorneys' fees that Xcel Energy may incur or pay in enforcing this agreement.
- 9.5 Participation in the Pilot is entirely voluntary. Xcel Energy and vendor do not assume any responsibility for customer's EV, the inability to use or unavailability of the EV, or any damages to or incurred by the customer EV or charging station which may result from participation in the Pilot. In no event, whether based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise, shall Xcel Energy or vendor be liable to the customer for special, indirect, exemplary, punitive, incidental, or consequential damages whatsoever including, without limitation, loss of profits or revenue, and in no event shall Xcel Energy's or Vendor's liability on any claim of any kind, or from any loss or damage arising out of or in connection with or resulting from the pilot, these pilot terms, or from performance or breach thereof, exceed the total amount of the participation reward.

10. Requirements

- 10.1 Customer agrees to maintain services needed to participate in the Pilot at no expense to Xcel Energy. These services may include but are not limited to subscription services with the Manufacturer of the enrolled vehicle to allow communication between the Manufacturer and the EV. Depending on the EV and the Manufacturer, this may require the Customer to activate and/or pay for a subscription. For further information, please communicate with the EV Manufacturer. This is applicable for customers that provide their Charging Data through one of the Vehicle Vendors listed at xcelenergy.com.

(continued on Sheet No. 5-50.10)

Date Filed:	04-14-22	By: Christopher B. Clark	Effective Date:	05-26-22
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-21-101		Order Date:	03-15-22

Northern States Power Company, a Minnesota corporation

Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

COMMERCIAL OPTIMIZE YOUR CHARGE (Continued)

Section No. 5
Original Sheet No. 50.10

10.2 Customer agrees to maintain a functioning high-speed internet connection that allows the charging station to gather Charging Data at no expense to Xcel Energy. This is applicable for customers that provide their Charging Data to Xcel Energy through one of the Charging Station Vendors listed at xcelenergy.com.

10.3 Customer is responsible for maintaining in working order EV charging or electrical equipment and the participating EV.

10.4 Customer is responsible for downloading any Vendor software application required for Pilot participation.

10.5 Customer responsible for installing any hardware from the Vendor that is required for Pilot participation.

11. Governing Law; Disputes.

11.1 The Customer and Xcel Energy agree that all disputes arising out of these Pilot Terms or the Pilot shall be subject to this section. The internal laws of the State of Minnesota, without regard to conflicts of law's provisions, govern the Pilot and these Pilot Terms and any action brought with respect to the Pilot Terms or the Pilot shall be brought in the courts located in Minneapolis, Minnesota.

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Date Filed:	04-14-22	By: Christopher B. Clark	Effective Date:	05-26-22
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-21-101		Order Date:	03-15-22

Northern States Power Company, a Minnesota corporation

Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ELECTRIC VEHICLE FLEET PILOT SERVICE

RATE CODE A87, A88, A89

Section No. 5

9th Revised Sheet No. 51

AVAILABILITY

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying ownership or lease of a minimum of five electric vehicles as defined in Section 169.011, subdivision 26a of Minnesota law.

CONTRACT

Customers must contract for this service through an Electric Vehicle Fleet Pilot Service Agreement with the Company. The contract period will be for 120 months.

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	\$29.64	
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
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	
Off-Peak Period Energy	\$0.02341	
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	
	<u>January - December</u>	
Voltage Discounts per Month	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

(Continued on Sheet No. 5-51.1)

Date Filed:	10-12-18	By: Christopher B. Clark	Effective Date:	07-17-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-643		Order Date:	07-17-19

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Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ELECTRIC VEHICLE FLEET PILOT SERVICE

RATE CODE A87. A88, A89

Section No. 5

10th Revised Sheet No. 51

AVAILABILITY

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage. The customer must complete Company-approved documentation verifying ownership or lease of a minimum of five electric vehicles as defined in Section 169.011, subdivision 26a of Minnesota law.

CONTRACT

Customers must contract for this service through an Electric Vehicle Fleet Pilot Service Agreement with the Company. The contract period will be for 120 months.

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	\$29.64	
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
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	
Off-Peak Period Energy	\$0.02341	
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	
	<u>January - December</u>	
Voltage Discounts per Month	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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(Continued on Sheet No. 5-51.1)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

ELECTRIC VEHICLE FLEET PILOT SERVICE RATE CODE A87, A88, A89

Section No. 5
Original Sheet No. 51.1

OPTIONAL CHARGER SERVICE

Charging equipment may be supplied and installed either by customer or by the Company through an optional charger service. Optional charger service by Company is available as a Bundled Option that includes a monthly charge for the installed cost of charging equipment or as a Pre-Pay Option to customers electing to pay Company for the installed cost of charging equipment prior to beginning service with this tariff. Customers electing the Pre-Pay Option are separately invoiced at the time of installation and are subject to the Pre-Pay Option service charge in place of the Bundled Option service charge.

Service Charge per Month per Port	Group A	Group B	Group C
Bundled Option – Single Port (A88)	\$37.88	\$52.92	\$67.96
Bundled Option – Dual Port (A88)	\$32.85	\$45.80	\$54.94
Pre-Pay Option – Single Port (A89)	\$11.73	\$25.31	\$33.37
Pre-Pay Option – Dual Port (A89)	\$10.86	\$20.80	\$29.85

Pricing for charging infrastructure for transit buses is determined on a per project basis.

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

For the first two years after the original effective date establishing this tariff, the minimum charge shall be equal to the Customer Charge. Effective two years after the original effective date establishing this tariff, the minimum charge shall be the total of the Customer Charge and a Facilities Charge based on the number of installed charging ports.

Facilities Charge	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5
Number of Charging Ports	1-9	10-19	20-29	30-39	40+
Monthly Minimum Charge	\$75	\$150	\$300	\$450	\$600

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.

(Continued on Sheet No. 5-51.2)

Date Filed:	10-12-18	By: Christopher B. Clark	Effective Date:	07-17-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-643		Order Date:	07-17-19

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ELECTRIC VEHICLE FLEET PILOT SERVICE
RATE CODE A87, A88, A89**

Section No. 5
Original Sheet No. 51.2

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.

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, but only if the off-peak period demand is greater than the on-peak period demand.

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. 5-51.3)

Date Filed:	10-12-18	By: Christopher B. Clark	Effective Date:	07-17-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-643		Order Date:	07-17-19

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ELECTRIC VEHICLE FLEET PILOT SERVICE
 RATE CODE A87, A88, A89**

Section No. 5
 Original Sheet No. 51.3

MINIMUM DEMAND TO BE BILLED

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

TERMS AND CONDITIONS OF SERVICE

1. Electric Vehicle Fleet Pilot Service shall be served through wiring connected to customer's dedicated meter.
2. Company may require customer to provide access for Company-owned equipment for the recording and wireless communication of energy usage.
3. The rate contemplates that this service will require the installation of new facilities to provide electric service to the electric vehicle charger.
4. Customer must execute an Electric Vehicle Fleet Pilot Service Agreement with the Company.
5. Customer must retain a minimum four ports per site, or, in cases with less than four ports, a minimum of 50 kW of charging capacity.
6. Company waives CIAC requirements for non-residential customers under the Standard Installation and Extension Rules under Section 5.1(A)(1)(b), Section 5.1 (A)(2) and (3) and Section 5.2 of the General Rules and Regulations on Tariff Sheets No. 6-23 through 6-27.
7. 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.

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

RIGHT TO REFUSE SERVICE

The Company reserves the right to refuse applicants for service under this Pilot service if it determines that excessive additional capital expenditures will be required to provide service to that applicant.

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Date Filed:	10-12-18	By: Christopher B. Clark	Effective Date:	07-17-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-643		Order Date:	07-17-19

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

ELECTRIC VEHICLE PUBLIC CHARGING PILOT SERVICE RATE CODE A90

Section No. 5
9th Revised Sheet No. 52

AVAILABILITY

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage for the express purpose of providing public charging service to electric vehicles.

CONTRACT

Customers must contract for this service through an Electric Vehicle Public Charging Pilot Service Agreement with the Company. The contract period will be for 120 months.

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	\$29.64	
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
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	
Off-Peak Period Energy	\$0.02341	
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	
	<u>January - December</u>	
Voltage Discounts per Month	Per kW	Per kWh
Primary Voltage	\$0.80	\$0.00105

(Continued on Sheet No. 5-52.1)

Date Filed:	10-12-18	By: Christopher B. Clark	Effective Date:	07-17-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-643		Order Date:	07-17-19

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

**ELECTRIC VEHICLE PUBLIC CHARGING PILOT
 SERVICE
 RATE CODE A90**

Section No. 5
 10th Revised Sheet No. 52

AVAILABILITY

Available while this Pilot Service is in effect to non-residential customers for service only to electric vehicle loads including battery charging and accessory usage for the express purpose of providing public charging service to electric vehicles.

CONTRACT

Customers must contract for this service through an Electric Vehicle Public Charging Pilot Service Agreement with the Company. The contract period will be for 120 months.

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	\$29.64	
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
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	
Off-Peak Period Energy	\$0.02341	
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	
Voltage Discounts per Month	<u>January - December</u>	
Primary Voltage	Per kW	Per kWh
	\$0.80	\$0.00105

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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(Continued on Sheet No. 5-52.1)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2
**ELECTRIC VEHICLE PUBLIC CHARGING PILOT
SERVICE
RATE CODE A90**

Section No. 5
Original Sheet No. 52.1

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

For the first two years after the original effective date establishing this tariff, the minimum charge shall be equal to the Customer Charge. Effective two years after the original effective date establishing this tariff, the minimum charge shall be the total of the Customer Charge and a Facilities Charge based on the number of installed charging ports.

Facilities Charge	Tier 1	Tier 2	Tier 3	Tier 4	Tier 5
Number of Charging Ports	1-9	10-19	20-29	30-39	40+
Monthly Minimum Charge	\$75	\$150	\$300	\$450	\$600

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.

(Continued on Sheet No. 5-52.2)

Date Filed:	10-12-18	By: Christopher B. Clark	Effective Date:	07-17-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-643		Order Date:	07-17-19

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**ELECTRIC VEHICLE PUBLIC CHARGING PILOT
 SERVICE
 RATE CODE A90**

Section No. 5
 Original Sheet No. 52.2

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.

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, but only if the off-peak period demand is greater than the on-peak period demand.

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. 5-52.3)

Date Filed:	10-12-18	By: Christopher B. Clark	Effective Date:	07-17-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-643		Order Date:	07-17-19

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**ELECTRIC VEHICLE PUBLIC CHARGING PILOT
SERVICE
RATE CODE A90**

Section No. 5
Original Sheet No. 52.3

MINIMUM DEMAND TO BE BILLED

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

TERMS AND CONDITIONS OF SERVICE

1. Electric Vehicle Fleet Pilot Service shall be served through wiring connected to customer's dedicated-meter.
2. Company may require customer to provide access for Company-owned equipment for the recording and wireless communication of energy usage.
3. The rate contemplates that this service will require the installation of new facilities to provide electric service to the electric vehicle charger.
4. Customer must execute an Electric Vehicle Public Charging Pilot Service Agreement with the Company.
5. Customer must retain a minimum four ports per site, or, in cases with less than four ports, a minimum of 50 kW of charging capacity.
6. Company waives CIAC requirements for non-residential customers under the Standard Installation and Extension Rules under Section 5.1(A)(1)(b), Section 5.1 (A)(2) and (3) and Section 5.2 of the General Rules and Regulations on Tariff Sheets No. 6-23 through 6-27.
7. 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.

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

RIGHT TO REFUSE SERVICE

The Company reserves the right to refuse applicants for service under this Pilot service if it determines that excessive additional capital expenditures will be required to provide service to that applicant.

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Date Filed:	10-12-18	By: Christopher B. Clark	Effective Date:	07-17-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-643		Order Date:	07-17-19

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

MULTI-DWELLING UNIT ELECTRIC VEHICLE SERVICE PILOT RATE CODE A91, A92, A93

Section No. 5
Original Sheet No. 52.4

AVAILABILITY

Available while the Pilot is in effect to Multi-Dwelling Unit site hosts for service only to resident electric vehicle loads including battery charging and accessory usage for the express purpose of providing charging service to the residents of the site.

CONTRACT

Participants must contract for the service through a Multi-Dwelling Unit Electric Vehicle Service Pilot Customer Service Agreement with the Company. For site hosts participating under both the Shared Parking and Assigned Parking options, the contract will be for 120 months. For EV driver participating under the Assigned Parking option, the contract will be month-to-month.

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

Site host bills shall reflect the standard customer charge, energy charges (if applicable) based on metered kWh usage, plus an optional charger service charge (if applicable). Assigned parking participant bills shall reflect energy charges (if applicable) based on kWh usage measured by their charging equipment, plus the charger service charge. Bills may be subject to a minimum charge based on the monthly customer charge plus optional charger service charge (if applicable). 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

Standard Customer Charge Per Month	\$4.95		
Optional Charger Service Charge Per Month Per Port			
Assigned Parking (A91)	\$16.99		
	<u>Group A</u>	<u>Group B</u>	<u>Group C</u>
Shared Parking – Full Service (A93)	\$30.59	\$45.55	\$60.51
Energy Charge per kWh			
<u>June-September</u>			
On-Peak Period	\$0.22576		
Mid-Peak Period	\$0.09013		
Off-Peak Period	\$0.02784		

(Continued on Sheet No. 5-52.5)

Date Filed:	09-10-20	By: Christopher B. Clark	Effective Date:	08-02-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-711		Order Date:	07-02-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

MULTI-DWELLING UNIT ELECTRIC VEHICLE SERVICE PILOT (Continued) RATE CODE A91, A92, A93

Section No. 5
Original Sheet No. 52.5

RATE (Continued)

Energy Charge per kWh

Other Months

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

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.

MONTHLY MINIMUM CHARGE

Customer Charge plus Optional Charger Service (if applicable).

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 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.

TERMS AND CONDITIONS OF SERVICE

1. Multi-dwelling unit electric vehicle service shall be separately served and metered and must at no time be connected to facilities serving site host's other loads. Metering may be installed as a sub-meter behind the site host's main meter, in which case consumption under this rate schedule will be subtracted from the main meter for purposes of billing site host's non-electric vehicle electricity usage

(Continued on Sheet No. 5-52.6)

Date Filed:	09-10-20	By: Christopher B. Clark	Effective Date:	08-02-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-711		Order Date:	07-02-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MULTI-DWELLING UNIT ELECTRIC VEHICLE
SERVICE PILOT (Continued)
RATE CODE A91, A92, A93**

Section No. 5
1st Revised Sheet No. 52.5

RATE (Continued)

Energy Charge per kWh

Other Months

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

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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.

MONTHLY MINIMUM CHARGE

Customer Charge plus Optional Charger Service (if applicable).

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 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.

TERMS AND CONDITIONS OF SERVICE

1. Multi-dwelling unit electric vehicle service shall be separately served and metered and must at no time be connected to facilities serving site host's other loads. Metering may be installed as a sub-meter behind the site host's main meter, in which case consumption under this rate schedule will be subtracted from the main meter for purposes of billing site host's non-electric vehicle electricity usage.

(Continued on Sheet No. 5-52.6)

Date Filed:	12-14-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**MULTI-DWELLING UNIT ELECTRIC VEHICLE
 SERVICE PILOT (Continued)
 RATE CODE A91, A92, A93**

Section No. 5
 Original Sheet No. 52.6

TERMS AND CONDITIONS OF SERVICE (Continued)

2. Consumption under the Assigned Parking option will be measured by charging equipment for each assigned parking spot and will be subtracted from the dedicated meter for charging equipment. Site hosts will be responsible for meter usage not accounted for from assigned parking spot usage.
3. The rate contemplates that the service will require the installation of new facilities to provide electric service to the electric vehicle chargers.
4. Site Host must retain a minimum of four ports per site (minimum of two ports per site for Affordable MDUs), or in cases with less than four ports, a minimum of 50kW of charging capacity.
5. For participating affordable housing site hosts and market-rate site hosts in the first tranche of participants, the Company waives CIAC requirements for non-residential customers under the Standard Installation and Extension Rules under Section 5.1(A)(1))(b), Section 5.1 (A)(2) and (3) and Section 5.2 of the General Rules and Regulations on Tariff Sheets No. 6-23 through 6.27. The Company waives a portion of the CIAC requirements for market-rate site hosts in the second tranche of participants.
6. Company will cover 100 percent of EV Service Connection Costs for affordable housing site hosts and market-rate site hosts in first tranche. Market-rate site hosts in second and third tranche of participants will receive a revenue-based allowance for EV Service Connection costs.
7. The site host 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.
8. Company may require site host to provide access for Company-owned equipment for the recording and wireless communication of energy usage.
9. This schedule is also subject to provisions contained in Rules for Application of Residential Rates.
10. Participants must execute a Multi-Dwelling Unit Electric Vehicle Service Customer Service Agreement with the Company

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Date Filed:	09-10-20	By: Christopher B. Clark	Effective Date:	08-02-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-711		Order Date:	07-02-21

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

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

ELECTRIC SERVICE PUBLIC CHARGING STATION PILOT RATE CODE A94

Section No. 5
Original Sheet No. 52.7

AVAILABILITY

Available while this Pilot Service is in effect to customers purchasing electricity used to recharge a battery that powers an electric vehicle from a Company-owned and operated public charging stations.

CHARACTER OF SERVICE

The Company is proposing to install, own, and operate Direct Current Fast Charging (DCFC) stations in our service territory.

DETERMINATION OF CUSTOMER'S CHARGES

Customers who elect to use Company-owned and operated public charging stations will be charged for electricity provided by the charging stations. Customer's charges shall reflect energy charges (if applicable) based on customer's kWh usage. Energy charges also include applicable riders, adjustments, surcharges, voltage discounts, energy credits, and other applicable charges. Details regarding the specific charges applicable to this service are listed below.

RATE

Energy Charge per kWh

June-September

On-Peak Period	\$0.52576
Mid-Peak Period	\$0.39013
Off-Peak Period	\$0.32784

Other Months

On-Peak Period	\$0.49266
Mid-Peak Period	\$0.37515
Off-Peak Period	\$0.32784

FUEL CLAUSE

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

RESOURCE ADJUSTMENT

Customer charges 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

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

SURCHARGE

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

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.

(Continued on Sheet No. 5-52.8)

Date Filed:	03-08-21	By: Christopher B. Clark	Effective Date:	06-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.:	E002/M-20-745		Order Date:	04-27-22

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

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2**ELECTRIC SERVICE PUBLIC CHARGING STATION
PILOT (Continued)
RATE CODE A94**

Section No. 5
Original Sheet No. 52.8

TERMS AND CONDITIONS OF SERVICE

1. This schedule is also subject to provisions contained in the General Rules and Regulations.
2. Customers must adhere to all Company instructions regarding the safe and efficient use of the public charging stations displayed on or near the station and must follow all recommendations, guidelines, and requirements published by the manufacturer of customer's electric vehicle regarding the charging of the electric vehicle, including the compatibility of the public charging station with the customer's electric vehicle.
3. Customer's use of the public charging station will be unsupervised, and customer's use of the public charging station is at Customer's own risk.
4. The Company has the right to control the use of the public charging station and may suspend or refuse access to public charging station at any time, for any reason.
5. The Company will use reasonable efforts to maintain the operability of the public charging stations and keep the public charging stations in working order, but the Company does not guarantee, and is under no obligation to ensure the availability, compatibility with customer's electric vehicle or performance of any public charging station.
6. Customer data may be collected by the Company in connection with Customer's use of a public charging station, and the Company will maintain any such information in accordance with and subject to the Company's then current Privacy Policy.

N

N

Date Filed:	03-08-21	By: Christopher B. Clark	Effective Date:	06-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.:	E002/M-20-745		Order Date:	04-27-22

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)

Section No. 5

(Continued)

1st Revised Sheet No. 53

RATE CODE A26

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-05-128

Order Date: 09-01-06

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)
(Continued)
RATE CODE A26

Section No. 5
1st Revised Sheet No. 54

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		Order Date:	09-01-06

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)

Section No. 5

(Continued)

1st Revised Sheet No. 55

RATE CODE A26

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

Order Date: 09-01-06

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) (Continued)
RATE CODE A26

Section No. 5
1st Revised Sheet No. 56

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		Order Date:	09-01-06

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)

Section No. 5

(Continued)

1st Revised Sheet No. 57

RATE CODE A26

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

Order Date: 09-01-06

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

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

Section No. 5
7th Revised Sheet No. 58

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		Order Date:	09-01-06

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

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)
(Continued)

Section No. 5
9th Revised Sheet No. 59

RATE CODE A60 (FIRM) AND
RATE CODE A61 (CONTROLLABLE)

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

Order Date: 09-01-06

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

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)

Section No. 5

(Continued)

2nd Revised Sheet No. 60

RATE CODE A60 (FIRM) AND**RATE CODE A61 (CONTROLLABLE)**

CANCELED

Date Filed: 11-02-05

By: Cynthia L. Leshar

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)

Section No. 5

(Continued)

2nd Revised Sheet No. 61

RATE CODE A60 (FIRM) AND**RATE CODE A61 (CONTROLLABLE)**

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

Order Date: 09-01-06

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

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)

Section No. 5

(Continued)

2nd Revised Sheet No. 62

RATE CODE A60 (FIRM) AND**RATE CODE A61 (CONTROLLABLE)**

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

Order Date: 09-01-06

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

EXPERIMENTAL REAL TIME PRICING SERVICE (CLOSED)

Section No. 5

(Continued)

2nd Revised Sheet No. 63

RATE CODE A60 (FIRM) AND**RATE CODE A61 (CONTROLLABLE)**

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

Order Date: 09-01-06

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)

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

R

6 a.m.- 9 a.m. \$0.06181 \$0.04925 \$0.03932 \$0.04111 \$0.03977 \$0.03446 \$0.02775 \$0.02243

R

9 a.m.-12 p.m. \$0.16995 \$0.09623 \$0.06050 \$0.04817 \$0.03701 \$0.02991 \$0.02471 \$0.02331

R

12 p.m.- 6 p.m. \$0.28050 \$0.18790 \$0.09735 \$0.05743 \$0.03701 \$0.02991 \$0.02471 \$0.02331

R

6 p.m.- 9 p.m. \$0.20679 \$0.13310 \$0.07845 \$0.04959 \$0.03701 \$0.02991 \$0.02471 \$0.02331

R

9 p.m.-12 a.m. \$0.06181 \$0.04925 \$0.04302 \$0.03724 \$0.03051 \$0.02784 \$0.02425 \$0.02243

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

R

Maximum 8 8 16 50 n/a n/a n/a n/a

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)

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/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

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)

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

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

Section No. 5
23rd Revised Sheet No. 65

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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N
N

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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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)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)

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

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	\$0.1353
Level B: ≥ 65% and < 85% PF	\$6.16	\$1.84	\$0.0962
Level C: ≥ 85% PF	\$6.67	\$2.34	\$0.0772

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:	03-15-19	By: Christopher B. Clark	Effective Date:	06-01-19
		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

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)

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

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.

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.

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)

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/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
**LIGHT RAIL LINE TARIFF
RATE CODE A29**

Section No. 5
18th 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

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

\$4.41

JUN-SEP

\$8.71

Energy Charge per kWh

On Peak Period Energy \$0.04750

Off Peak Period Energy \$0.02236

Energy Charge Credit per Month per kWh

All Energy in Excess of 400 Hours Times the On Peak Period \$0.01303

Coincident Billing Demand, Not to Exceed 50% of the Energy

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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)

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

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.

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

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			
	Standard Service			Pre-Pay
	Overhead	Underground	Decorative	Option
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)

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/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
27th 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

		Monthly Rate Per Luminaire			
		Standard Service			Pre-Pay
Designation of Lamp	(Lumens)	Overhead	Underground	Decorative	Option
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

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

(Continued on Sheet No 5-74.1)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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.

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
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. Leshner	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
25th 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>(Lumens)</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	
<30W Light Emitting Diode (2,500)		\$1.06	N
30-45W Light Emitting Diode (4,000)		\$1.34	N
50-75W Light Emitting Diode (6,000)		\$1.85	N
110-165W Light Emitting Diode (14,000)		\$3.44	N
200-250W Light Emitting Diode (25,000)		\$5.14	N

(Continued on Sheet No. 5-77)

Date Filed:	11-21-18	By: Christopher B. Clark	Effective Date:	07-09-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-729		Order Date:	05-10-19

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
26th 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>(Lumens)</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
<30W Light Emitting Diode (2,500)		\$1.06
30-45W Light Emitting Diode (4,000)		\$1.34
50-75W Light Emitting Diode (6,000)		\$1.85
110-165W Light Emitting Diode (14,000)		\$3.44
200-250W Light Emitting Diode (25,000)		\$5.14

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

(Continued on Sheet No. 5-77)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

Northern States Power Company, a Minnesota corporation
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.

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

**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)

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/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 ENERGY SERVICE - METERED RATE CODE A34

Section No. 5
30th 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

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

Northern States Power Company, a Minnesota corporation
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.

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

**STREET LIGHTING SERVICE - CITY OF ST. PAUL
(CLOSED)
RATE CODE A37**

Section No. 5
27th 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
150W High Pressure Sodium	\$6.14
250W High Pressure Sodium	\$8.60

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)

Date Filed:	11-21-18	By: Christopher B. Clark	Effective Date:	07-09-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-729		Order Date:	05-10-19

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**STREET LIGHTING SERVICE - CITY OF ST. PAUL
(CLOSED)
RATE CODE A37**

Section No. 5
28th 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
150W High Pressure Sodium	\$6.14
250W High Pressure Sodium	\$8.60

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

STREET LIGHTING SERVICE – CITY OF ST. PAUL
(CLOSED)
RATE CODE A37

Section No. 5
15th Revised Sheet No. 81

OTHER PROVISIONS

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

Date Filed:	11-21-18	By: Christopher B. Clark	Effective Date:	07-09-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-18-729		Order Date:	05-10-19

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)

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

**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)

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

**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)

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

**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.

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)

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/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

**SMALL MUNICIPAL PUMPING SERVICE
RATE CODE A40**

Section No. 5
31st 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

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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.

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
**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>		
	<u>Per kW</u>	<u>Per kWh</u>	
Voltage Discounts per Month			
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)

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/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
32nd 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
Energy Charge per kWh		\$0.03407
Energy Charge Credit per Month per kWh		
All kWh in Excess of 400 Hours		\$0.01518
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

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

N
N
N

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)

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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.

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

**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

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

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.

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/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
15th 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

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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

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.

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

EXCESS ENERGY -
ST. ANTHONY FALLS LOCKS AND DAM
RATE CODE A43

Section No. 5
15th Revised Sheet No. 90

CANCELED

(Continued on Sheet No. 90.1)

Date Filed:	11-03-10	By: Judy M. Pofert	Effective Date:	09-01-12
		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-10-971		Order Date:	05-14-12

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

EXCESS ENERGY -
ST. ANTHONY FALLS LOCKS AND DAM (Continued)
RATE CODE A43

Section No. 5
6th Revised Sheet No. 90.1

CANCELED

Date Filed:	11-03-10	By: Judy M. Pofert	Effective Date:	09-01-12
		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-10-971		Order Date:	05-14-12

Northern States Power Company, a Minnesota corporation

Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER

Section No. 5
30th 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.

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.

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

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(Continued on Sheet No. 5-91.1)

Date Filed:	09-09-19	By: Christopher B. Clark	Effective Date:	01-01-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E999/CI-03-802		Order Date:	11-05-19

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2
FUEL CLAUSE RIDER (Continued)

Section No. 5
18th Revised Sheet No. 91.1

FUEL COST FACTORS (2021)

Month	Residential	Commercial & Industrial				Outdoor Lighting
		Non-Demand	Non-TOD	Demand On-Peak	Off-Peak	
January	\$0.02315	\$0.02344	\$0.02271	\$0.02839	\$0.01859	\$0.01816
February	\$0.02613	\$0.02646	\$0.02564	\$0.03206	\$0.02097	\$0.02048
March	\$0.02716	\$0.02750	\$0.02665	\$0.03332	\$0.02180	\$0.02129
April	\$0.02854	\$0.02890	\$0.02800	\$0.03500	\$0.02292	\$0.02239
May	\$0.03236	\$0.03277	\$0.03175	\$0.03970	\$0.02597	\$0.02537
June	\$0.03617	\$0.03663	\$0.03548	\$0.04438	\$0.02902	\$0.02834
July	\$0.03086	\$0.03125	\$0.03027	\$0.03786	\$0.02476	\$0.02418
August	\$0.03012	\$0.03049	\$0.02954	\$0.03696	\$0.02416	\$0.02359
September	\$0.02890	\$0.02927	\$0.02836	\$0.03546	\$0.02320	\$0.02266
October	\$0.02743	\$0.02777	\$0.02691	\$0.03364	\$0.02201	\$0.02150
November	\$0.02474	\$0.02505	\$0.02427	\$0.03035	\$0.01985	\$0.01938
December	\$0.02310	\$0.02339	\$0.02266	\$0.02834	\$0.01854	\$0.01811

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 Windsources® 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.

(Continued on Sheet No. 5-91.2)

Date Filed:	12-23-20	By: Christopher B. Clark	Effective Date:	01-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/AA-20-417		Order Date:	12-22-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2
FUEL CLAUSE RIDER (Continued)

Section No. 5
19th Revised Sheet No. 91.1

FUEL COST FACTORS (2021)

Month	Residential	Commercial & Industrial				Outdoor Lighting
		Non-Demand	Non-TOD	Demand On-Peak	Off-Peak	
January	\$0.02315	\$0.02344	\$0.02271	\$0.02839	\$0.01859	\$0.01816
February	\$0.02613	\$0.02646	\$0.02564	\$0.03206	\$0.02097	\$0.02048
March	\$0.02716	\$0.02750	\$0.02665	\$0.03332	\$0.02180	\$0.02129
April	\$0.02854	\$0.02890	\$0.02800	\$0.03500	\$0.02292	\$0.02239
May	\$0.03236	\$0.03277	\$0.03175	\$0.03970	\$0.02597	\$0.02537
June	\$0.03617	\$0.03663	\$0.03548	\$0.04438	\$0.02902	\$0.02834
July	\$0.03086	\$0.03125	\$0.03027	\$0.03786	\$0.02476	\$0.02418
August	\$0.03012	\$0.03049	\$0.02954	\$0.03696	\$0.02416	\$0.02359
September	\$0.03067	\$0.03106	\$0.03010	\$0.03763	\$0.02462	\$0.02405
October	\$0.02743	\$0.02777	\$0.02691	\$0.03364	\$0.02201	\$0.02150
November	\$0.02474	\$0.02505	\$0.02427	\$0.03035	\$0.01985	\$0.01938
December	\$0.02310	\$0.02339	\$0.02266	\$0.02834	\$0.01854	\$0.01811

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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 Windsources® 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.

(Continued on Sheet No. 5-91.2)

Date Filed:	03-01-21	By: Christopher B. Clark	Effective Date:	07-07-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/AA-19-293		Order Date:	06-30-21

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2
FUEL CLAUSE RIDER (Continued)

Section No. 5
20th Revised Sheet No. 91.1

FUEL COST FACTORS (2021)

Month	Commercial & Industrial					Outdoor Lighting	
	Residential	Non-Demand	Non-TOD	Demand On-Peak	Off-Peak		
January	\$0.02315	\$0.02344	\$0.02271	\$0.02839	\$0.01859	\$0.01816	
February	\$0.02613	\$0.02646	\$0.02564	\$0.03206	\$0.02097	\$0.02048	
March	\$0.02716	\$0.02750	\$0.02665	\$0.03332	\$0.02180	\$0.02129	
April	\$0.02854	\$0.02890	\$0.02800	\$0.03500	\$0.02292	\$0.02239	
May	\$0.03236	\$0.03277	\$0.03175	\$0.03970	\$0.02597	\$0.02537	
June	\$0.03617	\$0.03663	\$0.03548	\$0.04438	\$0.02902	\$0.02834	
July	\$0.03086	\$0.03125	\$0.03027	\$0.03786	\$0.02476	\$0.02418	
August	\$0.03012	\$0.03049	\$0.02954	\$0.03696	\$0.02416	\$0.02359	
September	\$0.03067	\$0.03106	\$0.03010	\$0.03763	\$0.02462	\$0.02405	
October	\$0.03130	\$0.03169	\$0.03070	\$0.03838	\$0.02511	\$0.02453	R
November	\$0.02869	\$0.02905	\$0.02814	\$0.03519	\$0.02302	\$0.02247	R
December	\$0.02672	\$0.02706	\$0.02621	\$0.03279	\$0.02145	\$0.02095	R

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 Windsources® 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.

(Continued on Sheet No. 5-91.2)

Date Filed:	08-27-21	By: Christopher B. Clark	Effective Date:	10-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/AA-20-417 & E999/CI-03-802		Order Date:	06-12-19

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2
FUEL CLAUSE RIDER (Continued)

Section No. 5
21st Revised Sheet No. 91.1

FUEL COST FACTORS (2022)

Month	Commercial & Industrial					Outdoor Lighting	
	Residential	Non-Demand	Non-TOD	Demand On-Peak	Off-Peak		
January	\$0.02597	\$0.02630	\$0.02548	\$0.03184	\$0.02086	\$0.02038	R
February	\$0.03066	\$0.03104	\$0.03008	\$0.03761	\$0.02460	\$0.02403	R
March	\$0.03268	\$0.03309	\$0.03206	\$0.04009	\$0.02623	\$0.02562	R
April	\$0.03256	\$0.03297	\$0.03194	\$0.03992	\$0.02614	\$0.02554	R
May	\$0.03453	\$0.03496	\$0.03387	\$0.04234	\$0.02772	\$0.02708	R
June	\$0.03979	\$0.04029	\$0.03903	\$0.04880	\$0.03194	\$0.03119	R
July	\$0.03392	\$0.03435	\$0.03328	\$0.04161	\$0.02722	\$0.02658	R
August	\$0.03386	\$0.03428	\$0.03321	\$0.04154	\$0.02716	\$0.02653	R
September	\$0.03328	\$0.03369	\$0.03265	\$0.04081	\$0.02671	\$0.02609	R
October	\$0.03116	\$0.03155	\$0.03057	\$0.03822	\$0.02501	\$0.02443	R
November	\$0.02891	\$0.02927	\$0.02836	\$0.03546	\$0.02320	\$0.02266	R
December	\$0.02662	\$0.02696	\$0.02612	\$0.03265	\$0.02138	\$0.02088	R

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 Windsources® 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.

(Continued on Sheet No. 5-91.2)

Date Filed:	04-30-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/AA-21-295		Order Date:	12-02-21

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. 91.2

CURRENT PERIOD COST OF ENERGY (Continued)

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.
9. Less asset based margins from intersystem sales of excess generation and ancillary services. 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.

ENERGY COST TRUE-UP FACTORS

An Energy Cost True-up Factor per kWh is calculated annually for each Class and TOD category by dividing the Energy Cost True-up Amount by the qualifying kWh sales forecasted for the proposed period of up to twelve months the rate will be in effect and then multiplied by the applicable FAF ratio. The application of true-up factors to customers' bills is subject to Commission approval.

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(Continued on Sheet No. 5-91.3)

Date Filed:	12-23-20	By: Christopher B. Clark	Effective Date:	01-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/AA-20-417		Order Date:	12-22-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER (Continued)

Section No. 5
18th 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)
Electric Vehicle Home Service (A80, A81)
Residential Electric Vehicle Subscription Pilot (A82, A83)

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)

C

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on May 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.

Date Filed:	08-30-19	By: Christopher B. Clark	Effective Date:	11-16-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-559		Order Date:	10-06-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

FUEL CLAUSE RIDER (Continued)

Section No. 5
19th 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)
Residential Electric Vehicle Subscription Pilot (A82, A83)

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)
Multi-Dwelling Unit Electric Vehicle Service Pilot (A91, A92, A93)

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)

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PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on May 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.

Date Filed:	09-10-20	By: Christopher B. Clark	Effective Date:	08-02-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-711		Order Date:	07-02-21

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
21st 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	\$0.001848 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:	04-01-20	By: Christopher B. Clark	Effective Date:	10-01-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-402		Order Date:	08-18-20

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
22nd 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	\$0.003521 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:	04-01-21	By: Christopher B. Clark	Effective Date:	10-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-21-226		Order Date:	09-07-21

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.

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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
27th 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	\$1.65	\$4.25	\$22.75	\$103.00	\$13.50	\$13.50	\$13.50	01/2020	12/08/2023
Brooklyn Park	\$7.00	\$7.50	\$45.00	\$160.00	—	—	—	03/2016	12/31/2028
Burnsville	\$4.00	\$12.00	\$40.00	\$180.00	—	—	—	09/2020	02/15/2036
Centerville	\$4.00	\$8.00	\$8.00	\$8.00	—	—	—	05/2016	01/26/2036
Champlin	\$3.62	\$9.80	\$41.21	\$144.24	\$17.51	\$17.51	\$17.51	01/2020	11/23/2028
Chanhassen	\$5.00	\$14.00	\$40.00	\$290.00	—	—	—	02/2020	10/27/2039
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:	06-25-20	By: Christopher B. Clark	Effective Date:	09-01-20
		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

28th 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	\$4.60	\$9.20	\$49.00	\$141.00	—	—	—	01/2022	12/20/2035
Brooklyn Center	\$1.65	\$4.25	\$22.75	\$103.00	\$13.50	\$13.50	\$13.50	01/2020	12/08/2023
Brooklyn Park	\$7.00	\$7.50	\$45.00	\$160.00	—	—	—	03/2016	12/31/2028
Burnsville	\$4.00	\$12.00	\$40.00	\$180.00	—	—	—	09/2020	02/15/2036
Centerville	\$4.00	\$8.00	\$8.00	\$8.00	—	—	—	05/2016	01/26/2036
Champlin	\$3.62	\$9.80	\$41.21	\$144.24	\$17.51	\$17.51	\$17.51	01/2020	11/23/2028
Chanhassen	\$5.00	\$14.00	\$40.00	\$290.00	—	—	—	02/2020	10/27/2039
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: 10-26-21

By: Christopher B. Clark

Effective Date: 01-01-22

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

11th 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
Dayton	\$4.00	\$12.00	\$45.00	\$200.00	\$16.00	\$16.00	\$16.00	01/2020	09/09/2039
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	\$2.90	\$4.90	\$13.68	\$58.32	—	—	—	07/2019	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	\$1.63	\$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
Glyndon	\$1.25	\$1.00	\$8.00	\$35.00	\$5.00	\$0.50	\$1.75	05/2020	01/21/2040
Golden Valley	\$6.00	\$6.00	\$30.00	\$258.00	—	—	—	04/2018	12/17/2027

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(Continued on Sheet No. 5-93.2)

Date Filed: 02-21-20 By: Christopher B. Clark Effective Date: 05-01-20
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

12th 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
Dayton	\$4.00	\$12.00	\$45.00	\$200.00	\$16.00	\$16.00	\$16.00	01/2020	09/09/2039
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	\$2.90	\$4.90	\$13.68	\$58.32	—	—	—	07/2019	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	\$6.63	\$21.94	\$58.72	\$438.80	—	—	—	04/2022	11/08/2024
Forest Lake	\$4.00	\$2.50	\$18.50	\$75.00	\$7.50	\$2.50	\$18.50	05/2013	01/27/2033
Glyndon	\$1.25	\$1.00	\$8.00	\$35.00	\$5.00	\$0.50	\$1.75	05/2020	01/21/2040
Golden Valley	\$6.00	\$6.00	\$30.00	\$258.00	—	—	—	04/2018	12/17/2027

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(Continued on Sheet No. 5-93.2)

Date Filed: 01-28-22 By: Christopher B. Clark Effective Date: 04-01-22
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)

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 (Continued)

Section No. 5
20th 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
Montrose	\$4.00	\$8.00	\$8.00	\$8.00	—	—	—	01/2020	09/09/2032
Mound	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	01/2017	08/11/2023
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)

Date Filed: 02-21-20 By: Christopher B. Clark Effective Date: 05-01-20
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

21st 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
Montrose	\$4.00	\$8.00	\$8.00	\$8.00	—	—	—	01/2020	09/09/2032
Mound	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	01/2017	08/11/2023
Mounds View	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	01/2022	12/31/2026
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)

Date Filed: 10-26-21 By: Christopher B. Clark Effective Date: 01-01-22
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
26th 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
Northfield	\$3.25	\$4.00	\$32.50	\$990.00	—	—	—	03/2021	12/03/2032
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	\$2.29	\$3.44	\$11.48	\$45.90	—	—	—	08/2020	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%	06/2021	07/01/2023
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	\$3.75	\$5.00	\$36.00	\$340.00	—	—	—	01/2021	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)

Date Filed: 03-22-21 By: Christopher B. Clark Effective Date: 06-01-21
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
27th 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
Northfield	\$3.25	\$4.00	\$32.50	\$990.00	—	—	—	03/2021	12/03/2032
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	\$2.29	\$3.44	\$11.48	\$45.90	—	—	—	08/2020	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%	06/2021	07/01/2023
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	12/31/2021
Shoreview	\$3.75	\$5.00	\$36.00	\$340.00	—	—	—	01/2021	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)

Date Filed: 05-18-21 By: Christopher B. Clark Effective Date: 08-01-21
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
28th 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
Northfield	\$3.25	\$4.00	\$32.50	\$990.00	—	—	—	03/2021	12/03/2032
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	\$2.29	\$3.44	\$11.48	\$45.90	—	—	—	08/2020	07/09/2027
Prior Lake	\$5.00	\$15.00	\$30.00	\$150.00	—	—	—	01/2022	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%	06/2021	07/01/2023
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% 1.5%	Customers who purchase \$50,000 or less in calendar year That part which exceeds \$50,000 in calendar year						02/2016	06/15/2023
Shakopee ¹	3.0%	3.0%	3.0%	3.0%	—	—	—	01/2022	08/03/2041
Shoreview	\$3.75	\$5.00	\$36.00	\$340.00	—	—	—	01/2021	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)

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

29th 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
Northfield	\$3.25	\$4.00	\$32.50	\$990.00	—	—	—	03/2021	12/03/2032
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	12/31/2022
Plymouth	\$2.40	\$3.61	\$12.05	\$48.20	—	—	—	04/2022	07/09/2027
Prior Lake	\$5.00	\$15.00	\$30.00	\$150.00	—	—	—	01/2022	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%	06/2021	07/01/2023
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% 1.5%	Customers who purchase \$50,000 or less in calendar year That part which exceeds \$50,000 in calendar year						02/2016	06/15/2023
Shakopee ¹	3.0%	3.0%	3.0%	3.0%	—	—	—	01/2022	08/03/2041
Shoreview	\$3.75	\$5.00	\$36.00	\$340.00	—	—	—	01/2021	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)

Date Filed: 01-28-22 By: Christopher B. Clark Effective Date: 04-01-22
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

19th 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	\$6.75	\$12.00	\$48.50	\$148.50	—	\$12.00	\$48.50	06/2021	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

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)

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	1-Nov-2006	1-Nov-2008	1-Nov-2010	1-Nov-2012	1-Nov-2014	
End Date	31-Oct-2008	31-Oct-2010	31-Oct-2012	31-Oct-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)

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 (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	1-Nov-2016	1-Nov-2018	1-Nov-2020	1-Nov-2022	1-Nov-2024
End Date	31-Oct-2018	31-Oct-2020	31-Oct-2022	31-Oct-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)

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 (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)

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 (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
Small Commercial & Industrial					
Non-Demand		\$0.0042	\$0.0043	\$0.0045	\$0.0047
Firm Secondary		\$0.0019	\$0.0019	\$0.0020	\$0.0021
Firm Primary		\$0.0019	\$0.0019	\$0.0020	\$0.0021
Interruptible Secondary		\$0.0019	\$0.0019	\$0.0020	\$0.0021
Interruptible Primary		\$0.0019	\$0.0019	\$0.0020	\$0.0021
Large Commercial & Industrial					
Special		\$0.0029	\$0.0030	\$0.0031	\$0.0033
Firm Secondary		\$0.0014	\$0.0014	\$0.0015	\$0.0015
Firm Primary		\$0.0014	\$0.0014	\$0.0015	\$0.0015
Firm Trans. Transf.		\$0.0014	\$0.0014	\$0.0015	\$0.0015
Interruptible Secondary		\$0.0014	\$0.0014	\$0.0015	\$0.0015
Interruptible Primary		\$0.0014	\$0.0014	\$0.0015	\$0.0015
Interruptible TT		\$0.0014	\$0.0014	\$0.0015	\$0.0015
Standby Service		None	None	None	None
Public Street & Highway Lighting		\$0.0042	\$0.0043	\$0.0045	\$0.0047
Small Municipal Pumping					
Non-Demand		\$0.0042	\$0.0043	\$0.0045	\$0.0047
Demand Secondary		\$0.0019	\$0.0019	\$0.0020	\$0.0021
Demand Primary		\$0.0019	\$0.0019	\$0.0020	\$0.0021
Large Municipal Pumping					
Demand Primary (Sec cust)		\$0.0019	\$0.0019	\$0.0020	\$0.0021
Fire and Civil Defense Siren Service		\$0.0019	\$0.0019	\$0.0020	\$0.0021

(Continued on Sheet No. 5-93.10)

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 (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	1-Nov-2006	1-Nov-2008	1-Nov-2010	1-Nov-2012	1-Nov-2014	
End Date	31-Oct-2008	31-Oct-2010	31-Oct-2012	31-Oct-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)

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 (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
Small Commercial & Industrial					
Non-Demand		None	None	None	None
Firm Secondary		\$1.14	\$1.19	\$1.24	\$1.29
Firm Primary		\$1.10	\$1.15	\$1.19	\$1.24
Interruptible Secondary		\$1.14	\$1.19	\$1.24	\$1.29
Interruptible Primary		\$1.10	\$1.15	\$1.19	\$1.24
Large Commercial & Industrial					
Special		None	None	None	None
Firm Secondary		\$1.14	\$1.19	\$1.24	\$1.29
Firm Primary		\$1.10	\$1.15	\$1.19	\$1.24
Firm Trans. Transf.		\$1.10	\$1.15	\$1.19	\$1.24
Interruptible Secondary		\$0.84	\$0.88	\$0.91	\$0.95
Interruptible Primary		\$0.74	\$0.77	\$0.80	\$0.83
Interruptible TT		\$0.66	\$0.68	\$0.71	\$0.74
Standby Service		\$0.44	\$0.45	\$0.47	\$0.49
Public Street & Highway Lighting		None	None	None	None
Small Municipal Pumping					
Non-Demand		None	None	None	None
Demand Secondary		\$1.14	\$1.19	\$1.24	\$1.29
Demand Primary		\$1.10	\$1.15	\$1.19	\$1.24
Large Municipal Pumping					
Demand Primary (Sec cust)		\$1.10	\$1.15	\$1.19	\$1.24
Fire and Civil Defense Siren Service		\$1.10	\$1.15	\$1.19	\$1.24

(Continued on Sheet No. 5-93.12)

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 (Continued)

Section No. 5

11th 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	\$4.00	\$6.00	\$26.00	\$120.00	—	—	—	01/2021	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% 1.5%	Customers who purchase \$100,000 or less in calendar year That part which exceeds \$100,000 in calendar year						06/2003	06/15/2023
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)

Date Filed: 10-19-20

By: Christopher B. Clark

Effective Date: 01-01-21

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
12th 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	\$4.00	\$6.00	\$26.00	\$120.00	—	—	—	01/2021	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% 1.5%	Customers who purchase \$100,000 or less in calendar year That part which exceeds \$100,000 in calendar year						06/2003	06/15/2023
Winsted	\$2.00	\$2.00	\$2.00	\$2.00	—	—	—	05/2012	12/19/2031
Woodbury	\$3.25	\$3.50	\$23.00	\$90.00	\$0.00	\$0.00	\$0.00	01/2022	08/10/2041

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(Continued on Sheet No. 5-93.13)

Date Filed: 10-26-21 By: Christopher B. Clark Effective Date: 01-01-22
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

13th 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	\$4.00	\$6.00	\$26.00	\$120.00	—	—	—	01/2021	01/01/2038
Victoria	\$3.00	\$10.00	\$10.00	\$10.00	—	—	—	02/2017	10/09/2036
Wabasha	\$2.00	\$4.00	\$10.00	\$10.00	—	—	—	05/2022	01/03/2042
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% 1.5%	Customers who purchase \$100,000 or less in calendar year That part which exceeds \$100,000 in calendar year						06/2003	06/15/2023
Winsted	\$2.00	\$2.00	\$2.00	\$2.00	—	—	—	05/2012	12/19/2031
Woodbury	\$3.25	\$3.50	\$23.00	\$90.00	\$0.00	\$0.00	\$0.00	01/2022	08/10/2041
Wyoming	\$3.75	\$3.75	\$25.00	\$150.00	—	—	—	05/2022	02/01/2042

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(Continued on Sheet No. 5-93.13)

Date Filed: 02-24-22

By: Christopher B. Clark

Effective Date: 05-01-22

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. 93.13

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 6.0% gross revenue tax derived from the sale of electricity within the City of West St. Paul. The amount collected is remitted to the City of West St. Paul.	07/2019	--
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.

Date Filed: 04-24-19

By: Christopher B. Clark

Effective Date: 07-01-19

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

INTERIM RATE SURCHARGE RIDER

Section No. 5

12th Revised Sheet No. 94

CANCELED

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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

INTERIM RATE SURCHARGE RIDER

Section No. 5
13th Revised Sheet No. 94

AVAILABILITY

The Interim Rate Surcharge applies to:

1. Customer, Energy, Demand and Minimum Charges
2. Energy Charge Credits
3. Limited Energy Surcharges
4. Controllable Demand Credits
5. Voltage Discounts
6. Fixed Charges for Low Wattage Unmetered Devices
7. Lighting Rates per Luminaire and Lighting Rates per Unit
8. Siren Service Rate per Horsepower
9. Residential Controlled Air Conditioning and Water Heating Discounts (Energy and Fuel Cost Charges)
10. Commercial and Industrial Controlled Air Conditioning Credits
11. Off Season Load Rider
12. Standby Service Rider
13. Supplemental Service Rider
14. Tier 1 Energy Controlled Service Rider
15. Area Development Rider
16. Competitive Response Rider
17. Tier 1 Peak Controlled Short Notice Rider
18. Business Incentive and Sustainability Rider
19. Photovoltaic Demand Credit Rider

The Interim Rate Surcharge does not apply to:

1. Fuel Clause Rider
2. Conservation Improvement Program Adjustment Rider
3. Low Income Discounts (Energy and Fuel Cost Charges)
4. Low Income Program Surcharges
5. City Requested Facilities Surcharge Rider
6. Windsourse Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. State Energy Policy Rate Rider
11. Renewable Development Fund Rider
12. Transmission Cost Recovery Rider
13. Renewable Energy Standard Rider
14. Net Energy Billing Service
15. Late Payment Charge
16. Voluntary Renewable*Connect Rider

This temporary Interim Rate Surcharge Rider will expire when final rates become effective.

RATE

Each rate schedule that the Interim Rate Surcharge applies to contains the following text:

INTERIM RATE ADJUSTMENT

An 8.92% Interim Rate Surcharge will be applied to Residential rate components and a 13.52% Interim Rate Surcharge will be applied to Commercial rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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)

Date Filed:	08-24-17	By: Christopher B. Clark	Effective Date:	01-01-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-17-629		Order Date:	01-10-18

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.

Date Filed:	10-01-18	By: Christopher B. Clark	Effective Date:	01-01-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-04-1956 & E002/GR-15-826		Order Date:	09-26-14 & 06-12-17

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)

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

**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.

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

**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)

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

**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.

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

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.

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

OFF SEASON LOAD RIDER

Section No. 5
6th 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.

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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.

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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</u> <u>Maintenance</u>	<u>Scheduled</u> <u>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)

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/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

STANDBY SERVICE RIDER

Section No. 5
21st 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>		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			
Secondary Voltage Service	\$3.06	\$2.96	\$2.35
Primary Voltage Service	\$2.26	\$2.16	\$1.55
Transmission Transformed Voltage Service	\$1.51	\$1.41	\$0.80
Transmission Voltage Service	\$0.71	\$0.61	\$0.00

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rates components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 2022.

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Peak Period Standby Energy Surcharge per kWh

June – September	\$0.06312
Other Months	\$0.04130

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)

Date Filed:	12-29-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

Date Filed:	05-19-16	By: Christopher B. Clark	Effective Date:	07-19-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-13-315 & E999/CI-15-115		Order Date:	04-20-18

Northern States Power Company, a Minnesota corporation
 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-minutes 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)

Date Filed:	05-19-16	By: Christopher B. Clark	Effective Date:	07-19-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-13-315 & E999/CI-15-115		Order Date:	04-20-18

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

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
N
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)

Date Filed:	05-19-16	By: Christopher B. Clark	Effective Date:	07-19-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-13-315 & E999/CI-15-115		Order Date:	04-20-18

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

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.
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.

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(Continued on Sheet No. 5-105)

Date Filed:	05-19-16	By: Christopher B. Clark	Effective Date:	07-19-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-13-315 & E999/CI-15-115		Order Date:	04-20-18

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

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)

Date Filed:	05-19-16	By: Christopher B. Clark	Effective Date:	07-19-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/ M-13-315 & E999/CI-15-115		Order Date:	04-20-18

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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
 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)

Date Filed:	05-19-16	By: Christopher B. Clark	Effective Date:	07-19-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-13-315 & E999/CI-15-115		Order Date:	04-20-18

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.

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

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
Transmission Transformed Voltage Service	\$1.85
Transmission Voltage Service	\$1.05

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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)

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/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

SUPPLEMENTAL GENERATION SERVICE RIDER

Section No. 5
13th 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.

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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
Transmission Transformed Voltage Service	\$1.85
Transmission Voltage Service	\$1.05

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)

Date Filed:	12-29-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

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)

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

**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)

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

**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)

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

**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)

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

**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)

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

**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.

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

**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	

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)

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/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

**TIER 1 ENERGY CONTROLLED SERVICE RIDER
RATE CODE A27**

Section No. 5
14th Revised Sheet No. 115

AVAILABILITY²

Availability is restricted to customers who are taking service on the Tier 1 option of the Peak Controlled Time of Day Service.

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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
Firm Off Peak Period Energy	\$0.02341
Controllable On Peak Period Energy	\$0.04647
Controllable Off Peak Period Energy	\$0.02280
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.

(Continued on Sheet No. 5-116)

Date Filed:	12-29-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

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)

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

**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.

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

**REVENUE DECOUPLING MECHANISM RIDER
PILOT PROGRAM**

Section No. 5
7th Revised Sheet No. 117

CANCELED

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(Continued on Sheet No. 5-118)

Date Filed:	02-01-21	By: Christopher B. Clark	Effective Date:	04-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-688		Order Date:	06-28-21

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

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

REVENUE DECOUPLING MECHANISM RIDER (Continued)
PILOT PROGRAM

Section No. 5
4th Revised Sheet No. 118

CANCELED

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Date Filed:	02-01-21	By: Christopher B. Clark	Effective Date:	04-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-688		Order Date:	06-28-21

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

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)

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

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)

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

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.

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

COMPETITIVE RESPONSE RIDER

Section No. 5
6th 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 ("Alternate Supplier") for:

1. Existing customers with a minimum load of 2 MW that are located in Company's service territory and subject to effective competition by having the ability to obtain its energy requirements from an Alternate Supplier, or
2. New customers with a minimum initial load of 10 MW with the ability to increase total load to 75 MW within five years that are subject to effective competition by having the ability to locate a new facility outside Company's service territory with energy requirements provided by an Alternate Supplier.

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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 levels and 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 for existing customers and 10 MW for new customers. Any rate offered under this Rider shall not be available for any month in which the load served under this Rider falls below the required minimum load level.
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.

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(Continued on Sheet No. 5-123)

Date Filed:	01-10-19	By: Christopher B. Clark	Effective Date:	07-15-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-39 & E002/M-19-60		Order Date:	07-15-19

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

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

COMPETITIVE RESPONSE RIDER (Continued)

Section No. 5
7th 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 for existing customers and ten years for new customers, 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%.

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(Continued on Sheet No. 5-124)

Date Filed:	01-10-19	By: Christopher B. Clark	Effective Date:	07-15-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-39 & E002/M-19-60		Order Date:	07-15-19

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

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.

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

PHOTOVOLTAIC DEMAND CREDIT RIDER RATE CODE A85 (CLOSED) RATE CODE A86

Section No. 5
5th 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) were receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider was originally approved by the Commission, or 2) have enrolled by submitting to the Company a complete interconnection application for a planned qualifying generation source before February 14, 2020. The closed rate will expire April 20, 2027. After expiration of the closed rate, the applicable standard rate will replace the closed rate.

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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)	\$0.071390
Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard)	\$0.069648

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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.

Date Filed:	10-19-18	By: Christopher B. Clark	Effective Date:	02-14-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-13-315 & E999/CI-15-115		Order Date:	02-14-20

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

MINNESOTA ELECTRIC RATE BOOK – MPUC NO. 2

PHOTOVOLTAIC DEMAND CREDIT RIDER RATE CODE A85 (CLOSED) RATE CODE A86

Section No. 5
6th 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) were receiving Standby Service Rider tariff service with the Photovoltaic Solar Credit on the date this Rider was originally approved by the Commission, or 2) have enrolled by submitting to the Company a complete interconnection application for a planned qualifying generation source before February 14, 2020. The closed rate will expire April 20, 2027. 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) \$0.071390

Credit per kWh of Peak Period Solar Photovoltaic Generation (A86 - Standard) \$0.069648

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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.

Date Filed:	10-25-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630		Order Date:	12-23-21

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

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.

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

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)

Date Filed:	11-03-08	By: Judy M. Pofert	Effective Date:	04-01-10
		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-08-1065		Order Date:	10-23-09

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

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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Date Filed:	11-03-08	By: Judy M. Pofert	Effective Date:	04-01-10
		President and CEO of Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-08-1065		Order Date:	10-23-09

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

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)

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

**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)

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

**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.

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**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 "Windsor Source 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 Windsor Source MWh sales for the designated annual tracker recovery period.

TRACKER ACCOUNT

Due to the variability of renewable resources, the Windsor Source 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)

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

**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.

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

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.

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

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)

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

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.

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

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)

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

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.

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

BUSINESS INCENTIVE AND SUSTAINABILITY RIDER

Section No. 5
3rd 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. Also available on a temporary and limited basis to existing demand-metered commercial and industrial customers with substantial load reductions directly associated with the COVID-19 coronavirus pandemic according to the provisions of the pandemic section of this rate schedule.

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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 any single delivery point. A customer may receive the rate at multiple delivery points so long as each delivery point independently qualifies. 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.

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Existing Customers. For existing customers, Qualified Billing Demand is the new load of 350 kW or greater at any single delivery point incremental to that existing prior to approval for service under this Rider. A customer may receive the rate at multiple delivery points so long as each delivery point independently qualifies. 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.

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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)

Date Filed:	04-23-20	By: Christopher B. Clark	Effective Date:	07-27-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-436		Order Date:	07-27-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

BUSINESS INCENTIVE AND SUSTAINABILITY RIDER

Section No. 5
4th 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. Also available on a temporary and limited basis to existing demand-metered commercial and industrial customers with substantial load reductions directly associated with the COVID-19 coronavirus pandemic according to the provisions of the pandemic section of this rate schedule.

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%

INTERIM RATE ADJUSTMENT

A 13.52% Interim Rate Surcharge will be applied to rate components specified in the "Interim Rate Surcharge Rider" to service provided beginning January 1, 2022.

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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 any single delivery point. A customer may receive the rate at multiple delivery points so long as each delivery point independently qualifies. 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 any single delivery point incremental to that existing prior to approval for service under this Rider. A customer may receive the rate at multiple delivery points so long as each delivery point independently qualifies. 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)

Date Filed:	12-29-21	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/GR-21-630	Order Date:	12-23-21	

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

BUSINESS INCENTIVE AND SUSTAINABILITY RIDER (Continued)

Section No. 5
3rd Revised Sheet No. 140

EXISTING CUSTOMERS

Existing customers who materially increase their use of electric service may qualify for service under this Rider, provided (1) such material increase is the result of the addition of equipment, or expansion of the customer's facility or operations and (2) the delivery point is not currently receiving service under this Rider. 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.

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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. When the Company determines that significant additional capital expenditures will be required to provide service to that applicant, 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.

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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 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.

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(Continued on Sheet No. 5-141)

Date Filed:	04-23-20	By: Christopher B. Clark	Effective Date:	07-27-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-436		Order Date:	07-27-20

Northern States Power Company, a Minnesota corporation

Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

BUSINESS INCENTIVE AND SUSTAINABILITY RIDER (Continued)

Section No. 5
3rd 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.

PANDEMIC AFFECTED CUSTOMER SECTION OF BUSINESS INCENTIVE AND SUSTAINABILITY RIDER

AVAILABILITY

Available to existing demand-metered commercial and industrial customers with pre-pandemic average monthly peak load between 100 kW and 2000 kW as measured during the 12 months ending February 2020, which is substantially reduced as a direct result of the COVID-19 coronavirus pandemic. Participation in the Pandemic Affected Customer Section of this Rider is subject to Company approval and is limited to a pre-pandemic total load level of 200 MW.

RATE

The rates and provisions of the customer's regular demand-metered rate schedule shall apply except a 25 percent credit shall be applied to the total monthly base rate charges excluding customer charges, after the application of voltage discounts, for the period ending March 31, 2021.

QUALIFICATION REQUIREMENTS

Existing customers must have experienced a material and minimum 25 percent peak load reduction in direct response to government mandated requirements associated with the COVID-19 pandemic. The customer shall notify the Company in writing and document the COVID-19 basis for the electric load reduction and the associated kW load reduction. Following such notification, the Company will review the customer's monthly billing demands to confirm a material and qualifying peak load reduction. If approved by the Company, Rider credits will be applied to the customer's bill from the beginning of the billing period during which the customer for this section of the Rider is approved until March 31, 2021. The Company may discontinue the Rider credits if customer peak loads return to levels prior to the COVID-19 pandemic.

APPLICATION

As a condition of qualifying for the Rider credit, Customer must provide an application to the Company demonstrating that the COVID-19 pandemic has materially impacted its business and is responsible for a qualifying load reduction. Information tying the Customer's identification to its qualified billing demand and COVID-19 impacts to business and energy usage is trade secret information under the Minnesota Government Data Practices Act ("Act").

(Continued on Sheet No. 5-141.1)

Date Filed:	04-23-20	By: Christopher B. Clark	Effective Date:	07-27-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-436		Order Date:	07-27-20

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MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

BUSINESS INCENTIVE AND SUSTAINABILITY RIDER
(Continued)

Section No. 5
Original Sheet No. 141.1

ENERGY EFFICIENCY

For service taken under the Pandemic Affected Customer Section of this Rider, the Customer must have participated, or agree to participate, in at least one of the Company's energy efficiency programs.

REPORTING REQUIREMENT

Monthly during the availability of the Pandemic Affected Customer section of the Rider, the Company will file with the Commission a listing of Customers deemed eligible and participating in this section of the Rider. In its annual filing on the BIS Rider, the Company shall file a report with the Commission identifying the number of customers receiving service under this section of the Rider and the total amount of the discount.

REVENUE RECOVERY

The Company, within a general rate case, is allowed to seek recovery of the customer credits provided through the pandemic section of this Rider.

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Date Filed:	04-23-20	By: Christopher B. Clark	Effective Date:	07-27-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-436		Order Date:	07-27-20

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

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.

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

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5
24th 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	\$0.001212 per kWh
Commercial	\$0.001212 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.

Date Filed:	10-01-20	By: Christopher B. Clark	Effective Date:	01-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-766		Order Date:	12-16-20

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5
25th 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	\$0.000902 per kWh
Commercial	\$0.000902 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.

Date Filed:	03-09-22	By: Christopher B. Clark	Effective Date:	04-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-21-708		Order Date:	03-01-22

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

TRANSMISSION COST RECOVERY RIDER

Section No. 5
 15th 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 three customer groups: (1) Residential, (2) Commercial Non-Demand, and (3) Demand Billed. 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 Commission. The TCR factor for each rate schedule is:

Residential	\$0.003607 per kWh	R
Commercial (Non-Demand)	\$0.003185 per kWh	R
Demand Billed	\$0.982 per kW	R

Recoverable Transmission and Distribution Costs shall be the annual revenue requirements for transmission and distribution costs associated with transmission projects and distribution planning and facilities 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:	11-15-19	By: Christopher B. Clark	Effective Date:	03-01-20
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-721		Order Date:	02-21-20

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

TRANSMISSION COST RECOVERY RIDER

Section No. 5
 16th 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 three customer groups: (1) Residential, (2) Commercial Non-Demand, and (3) Demand Billed. 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 Commission. The TCR factor for each rate schedule is:

Residential	\$0.003614 per kWh	R
Commercial (Non-Demand)	\$0.003191 per kWh	R
Demand Billed	\$0.984 per kW	R

Recoverable Transmission and Distribution Costs shall be the annual revenue requirements for transmission and distribution costs associated with transmission projects and distribution planning and facilities 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:	11-15-19	By: Christopher B. Clark	Effective Date:	01-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-721		Order Date:	12-10-21

Northern States Power Company, a Minnesota corporation
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MNENOTA 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.

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

RENEWABLE ENERGY STANDARD RIDER

Section No. 5
11th 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. Competitive Response Rider
5. City Requested Facilities Surcharge Rider
6. Windsource Program Rider
7. WAPA Bill Credit Program Rider
8. Mercury Cost Recovery Rider
9. Environmental Improvement Rider
10. Business Incentive and Sustainability Rider
11. State Energy Policy Rate Rider
12. Renewable Development Fund Rider
13. Transmission Cost Recovery Rider
14. Renewable Energy Standard Rider
15. Net Energy Billing Service
16. Late Payment Charge
17. Any currently applicable Interim Rate Surcharge Rider
18. Low Income Program Surcharge
19. Low Income Discounts

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This RES adjustment shall be calculated before city surcharge and sales tax.

(Continued on Sheet No. 5-147)

Date Filed:	02-01-21	By: Christopher B. Clark	Effective Date:	04-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-688		Order Date:	06-28-21

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
15th 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

5.091%

R

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.

Date Filed:	11-22-19	By: Christopher B. Clark	Effective Date:	06-01-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-19-732		Order Date:	05-06-21

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
16th 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

9.765%

R

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.

Date Filed:	11-05-20	By: Christopher B. Clark	Effective Date:	04-01-22
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-815		Order Date:	03-15-22

Northern States Power Company d/b/a Xcel Energy

Minneapolis, Minnesota 55401

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**MANUAL METER READING SERVICE RIDER
(AMI OPT-OUT OPTION)**Section No. 5
Original Sheet No. 148**AVAILABILITY**

Available as an option to Residential Service, Residential Time of Day, Small General Service and Small General Time of Day Service customers who elect on-site meter reading service to opt out of energy usage measurements by standard advanced meters with two-way communication capabilities.

RATE

Fixed Charge per Month	\$15.00
Non-Standard Meter Installation Charge	\$40.00
Non-Standard Meter Removal Charge	\$40.00

TERMS AND CONDITIONS OF SERVICE

1. Customers who elect to receive this service will be subject to the Non-Standard Meter Installation Charge upon request for this service.
2. A one-time waiver of the Non-Standard Meter Installation Charge will apply to customers who elect this service prior to the installation of a standard advanced meter at their premise(s) as part of the Company's implementation of Advanced Metering Infrastructure.
3. Customers who cancel this service or vacate the premise where the service was requested will be subject to the Non-Standard Meter Removal Charge.
4. This rider will separately apply to each individual non-standard meter the customer requests be read manually.
5. The Company reserves the right to refuse availability of this rider if the:
 - a. Manual meter reading service would create a safety hazard for the customer, the public, or Company's personnel or facilities,
 - b. Customer does not allow the Company's employees or agents access to the non-standard meter(s) at the customer's premise(s), or
 - c. Customer has a history of meter tampering.
6. Entities such as multi-unit dwelling associations are not authorized to elect this rider on behalf of individually metered customers.
7. Customers electing manual meter reading with this rider may receive bills based on estimated meter readings in any month where circumstances prevent a meter reading.

(Continued on Sheet No. 5-1.1)

Date Filed:	07-10-20	By: Christopher B. Clark	Effective Date:	08-20-21
		President, Northern States Power Company, a Minnesota Corporation		
Docket No.	E002/M-20-592		Order Date:	07-21-21

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)

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

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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
7th 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
4 (2020)	\$0.03623
5 (2021)	\$0.03647

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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
4 (2020)	\$0.00488
5 (2021)	\$0.00493

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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), Residential Electric Vehicle Pilot Service (Rate Code A80, A81), or Residential Electric Vehicle Subscription Pilot Service (Rate Code A82, A83) 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)

Date Filed:	03-30-20	By: Christopher B. Clark	Effective Date:	01-12-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-380	Order Date:	01-12-21	

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
8th 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
4 (2020)	\$0.03623
5 (2021)	\$0.03647

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
4 (2020)	\$0.00488
5 (2021)	\$0.00493

Customers receiving service under the Company's Business Incentive and Sustainability Rider, Competitive Response Rider, Residential Electric Vehicle Service (Rate Code A08), Residential Electric Vehicle Pilot Service (Rate Code A80, A81), or Residential Electric Vehicle Subscription Pilot Service (Rate Code A82, A83), or Multi-Dwelling Unit Electric Vehicle Service Pilot (Rate Code A91, A92, A93) 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

(Continued on Sheet No. 5-151)

Date Filed:	09-10-20	By:	Christopher B. Clark	Effective Date:	08-02-21
			President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-711			Order Date:	07-02-21

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
8th Revised Sheet No. 150

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)

Date Filed:	09-10-20	By: Christopher B. Clark	Effective Date:	08-02-21
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M-20-711		Order Date:	07-02-21

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. 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:
- For Customers choosing the 100 kWh Blocks R*C Billing Method, the number of 100 kWh Blocks subscribed will be multiplied by twelve (12).
 - 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)

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
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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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.

(Continued on Sheet No. 5-155)

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

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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. 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)

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. 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

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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. 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.

(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

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

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

**PANDEMIC AND CIVIL UNREST RECOVERY
PROGRAM**

Section No. 5
Original Sheet No. 159

AVAILABILITY

Available to existing commercial and industrial customers with pre-pandemic average monthly peak load below 100 kW as measured during the 12 months ending February 2020, which is substantially reduced as a direct result of the COVID-19 coronavirus pandemic or recent civil unrest. Participation in this Program is subject to Company approval and is limited to a pre-pandemic total load level of 50 MW.

RATE

The rates and provisions of the customer's regular rate schedule shall apply except a 25 percent credit shall be applied to the total monthly base rate charges excluding customer charges, after the application of voltage discounts, for the period of January 1, 2021 through August 31, 2021.

QUALIFICATION REQUIREMENTS

Existing customers must have experienced a material and minimum 25 percent peak load reduction in direct response to civil unrest or government mandated requirements associated with the COVID-19 pandemic. The customer shall notify the Company in writing and document the qualifying basis for the electric load reduction and the associated kW load reduction. Following such notification, the Company will review the customer's monthly billing demands to confirm a material and qualifying peak load reduction or estimate the load reduction based on energy usage for non-demand billed customers. If approved by the Company, Program credits will be applied to the customer's bill from the beginning of the billing period during which the customer is approved for the Program until August 31, 2021. The Company may discontinue the Program credits if customer peak loads or energy usage return to levels prior to qualifying load reductions.

APPLICATION

As a condition of qualifying for this Program, Customer must provide an application to the Company demonstrating that civil unrest or the COVID-19 pandemic has materially impacted its business and is responsible for a qualifying load reduction. Information tying the Customer's identification to the billing demands or energy usage considered for the Program is trade secret information under the Minnesota Government Data Practices Act ("Act").

REPORTING REQUIREMENT

Monthly during the of the availability of the Program, the Company will file with the Commission a listing of Customers deemed eligible and participating in the program. Following Program completion, the Company will file a final report with the Commission identifying the number of customers that participated in the Program and the total amount of Program credits provided.

REVENUE RECOVERY

The Company, within a general rate case, is allowed to seek recovery of the Program credits made to customers.

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Date Filed: 08-14-20

By: Christopher B. Clark

Effective Date: 12-07-20

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-20-662

Order Date: 12-07-20

Northern States Power Company-Minnesota

Electric Utility Annual Report - 7610.0600 F

Docket No. E999/M-23-11

June 30, 2023

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 05/31/2023
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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 Jared Trueman Title: Senior Accounting Analyst Phone: (651) 235-3927 FAX: Email: jared.w.trueman@xcelenergy.com	REPORT FOR: Northern States Power Co - Minnesota 13781 REPORTING PERIOD: 2022	
Supervisor Marc Glende Title: Sr. Director, Accounting and Reporti Phone: (612) 330-7785 FAX: Email: marc.a.glende@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	05/03/2023
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)	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> Federal <input type="checkbox"/> Political Subdivision <input type="checkbox"/> Municipal Marketing Authority <input type="checkbox"/> Cooperative <input type="checkbox"/> Independent Power Producer or Qualifying Facility </div> <div style="width: 33%;"> <input type="checkbox"/> State <input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Investor-Owned <input type="checkbox"/> Retail Power Marketer (or Energy Service Provider) <input type="checkbox"/> Community Choice Aggregator </div> <div style="width: 33%;"> <input type="checkbox"/> Transmission <input type="checkbox"/> Behind the Meter <input type="checkbox"/> Wholesale Power Marketer <input type="checkbox"/> DSM Administrator </div> </div>			

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

Northern States Power Company-Minnesota

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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 05/31/2023
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REPORT FOR:	Northern States Power Co - Minnesota	13781
REPORT PERIOD ENDING:	2022	

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
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"/> SPP <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) 7,882.0 Winter (Megawatts) 5,352.0	Prior Year 7,548.0 Prior Year 5,125.0
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	
If "Yes", Please Provide Additional Contact Information		Name: Gordon Clouse Title: Manager, Fleet Business Ops Telephone: 303 - 571 - 3726 Fax: - - Email: gordon.b.clouse@xcelenergy.com	

Northern States Power Company-Minnesota

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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2022

SCHEDULE 2. PART B. ENERGY SOURCES AND DISPOSITION						
	SOURCE OF ENERGY		MEGAWATTHOURS		DISPOSITION OF ENERGY	MEGAWATTHOURS
1	Net Generation		37,833,977	11	Sales to Ultimate Consumers	33,396,282
2	Purchases from Electricity Suppliers		19,761,674	12	Sales For Resale	22,584,911
3	Exchanged Received (In)			13	Energy Furnished Without Charge	319
4	Exchanged Delivered (Out)			14	Energy Consumed By Respondent Without Charge	49,813
5	Exchanged Net					
6	Wheeled Received (In)					
7	Wheeled Delivered (Out)					
8	Wheeled Net			15	Total Energy Losses (positive number)	1,564,326
9	Transmission by Others Losses (Negative Number)					
10	Total Sources (sum of lines 1, 2, 5, 8 & 9)		57,595,651	16	Total Disposition (sum of lines 11, 12, 13, 14, & 15)	57,595,651

Northern States Power Company-Minnesota

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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2022

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) \$	4,344,662.5
2	Revenue From Unbundled (Delivery) Customers (Schedule 4: Part C) \$	
3	Electric Operating Revenue from Sales for Resale \$	752,798.4
4	Electric Credits/Other Adjustments \$	51,100.0
5	Revenue from Transmission \$	335,474.9
6	Other Electric Operating Revenue \$	-4,836.6
7	Total Electric Operating Revenue (sum of lines 1, 2, 3, 4, 5 and 6) \$	5,479,199.2

Northern States Power Company-Minnesota

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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2022

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	1,067.0
2	Number of Distribution Circuits that employ voltage/VAR optimization (VVO)	60.0

Northern States Power Company-Minnesota

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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2022

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	65.0
2	Number of Distribution Circuits that employ voltage/VAR optimization (VVO)	

Northern States Power Company-Minnesota

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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2022

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)	

Northern States Power Company-Minnesota

Electric Utility Annual Report - 7610.0600 F

Docket No. E999/M-23-11
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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 05/31/2023
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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2022

**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		184.179
3b. SAIDI value excluding Major Event days		89.989
4 SAIDI value including Major Event days minus loss of supply		177.315
5a. SAIFI value including Major Event days		1.083
5b. SAIFI value excluding Major Event days		0.871
6. SAIFI value including Major Event days minus loss of supply		1.038
7. Total number of customers used in these calculations		1,328,578.0
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.		

Northern States Power Company-Minnesota

Electric Utility Annual Report - 7610.0600 F

Docket No. E999/M-23-11
June 30, 2023

US Department of Energy Energy Information Administration Form EIA-861	ANNUAL ELECTRIC POWER INDUSTRY REPORT	Form Approved OMB No. 1905-0129 Approved Expires 05/31/2023
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REPORT FOR: Northern States Power Co - Minnesota 13781

REPORT PERIOD ENDING: 2022

**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		465.935
3b. SAIDI value excluding Major Event days		57.935
4 SAIDI value including Major Event days minus loss of supply		460.358
5a. SAIFI value including Major Event days		1.350
5b. SAIFI value excluding Major Event days		0.543
6. SAIFI value including Major Event days minus loss of supply		1.234
7. Total number of customers used in these calculations		100,076.8
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.		

Northern States Power Company-Minnesota

Electric Utility Annual Report - 7610.0600 F

Docket No. E999/M-23-11
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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 05/31/2023
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REPORT FOR: Northern States Power Co - Minnesota

13781

REPORT PERIOD ENDING: 2022

**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		78.108
3b. SAIDI value excluding Major Event days		67.862
4 SAIDI value including Major Event days minus loss of supply		75.322
5a. SAIFI value including Major Event days		0.810
5b. SAIFI value excluding Major Event days		0.759
6. SAIFI value including Major Event days minus loss of supply		0.770
7. Total number of customers used in these calculations		94,679.0
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.		

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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

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REPORT FOR: Northern States Power Co - Minnesota		13781				
REPORT PERIOD ENDING: 2022						
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)		1,419,019.4	1,675,272.9	743,149.3	2,450.2	3,839,891.8
Megawatthours		9,095,482	12,638,135	7,241,299	19,941	28,994,857
Number of Customers		1,199,122	143,021	490	1	1,342,634
Are your rates decoupled?		<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	
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		15.601	13.256	10.263	12.287	13.243
State	ND	Balancing Authority	56669			
Revenue (thousand dollars)		100,518.6	118,660.2	32,365.9	0.0	251,544.7
Megawatthours		796,023	1,033,842	350,501	0	2,180,366
Number of Customers		82,122	13,317	24	0	95,463
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		12.628	11.478	9.234		11.537

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REPORT PERIOD ENDING: 2022								
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	SD	Balancing Authority	56669					
Revenue (thousand dollars)			109,777.0	109,793.8	33,655.2	0.0	253,226.0	
Megawatthours			830,054	1,010,743	380,262	0	2,221,059	
Number of Customers			87,577	13,007	26	0	100,610	
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			13.225	10.863	8.851		11.401	
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)			1,629,315.0	1,903,726.9	809,170.4	2,450.2	4,344,662.5	
Megawatthours			10,721,559	14,682,720	7,972,062	19,941	33,396,282	
Number of Customers			1,368,821	169,345	540	1	1,538,707	

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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

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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

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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					

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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

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SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS
Adjusted Gross Energy and Demand Savings -- Energy EfficiencyIf 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	56669			
		RESIDENTIAL	COMMERCIAL	INDUSTRIAL	TRANS	Total
		(a)	(b)	(c)	(d)	(e)
Reporting Year Incremental Annual Savings						
1	Energy Savings (MWh)	277,811.351	255,486.416	67,620.229		600,917.996
2	Peak Demand Savings (MW)	51.409	44.283	10.407		106.099
Increment Life Cycle Savings						
3	Energy Savings (MWh)	4339524.860	4,116,611.606	1,169,563.100		9,625,699.566
4	Peake Demand Savings (MW)	51.409	44.283	10.407		106.099
Reporting Year Incremental Costs						
5	Customer Incentives	17,879.450	27,999.508	5,592.797		51,471.755
6	All other costs	14,412.589	17,444.721	10,989.494		42,846.804
Incremental Life Cycle Costs						
7	Customer Incentives	17,879.450	27,999.508	5,592.797		51,471.755
8	All other costs	14,412.589	17,444.721	10,989.494		42,846.804
Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate						
9	Weighted Average Life	15.620	16.113	17.296		49.000

Please provide website address to your energy efficiency program reports:

Northern States Power Company-Minnesota

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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)	3,285.204	4,967.243			8,252.447
2	Peak Demand Savings (MW)	1.170	1.180			2.350
Increment Life Cycle Savings						
3	Energy Savings (MWh)	40349.254	85,724.336			126,073.590
4	Peake Demand Savings (MW)	1.170	1.180			2.350
Reporting Year Incremental Costs						
5	Customer Incentives	61.458	467.128			528.586
6	All other costs	17.341	19.296			36.637
Incremental Life Cycle Costs						
7	Customer Incentives	61.458	467.128			528.586
8	All other costs	17.341	19.296			36.637
Weighted Average Life for Portfolio (Years) - Use Spreadsheet to Calculate						
9	Weighted Average Life	12.282	17.258			30.000

Please provide website address to your energy efficiency program reports:

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SCHEDULE 6. PART A. ENERGY EFFICIENCY PROGRAMS

DMS Administration only. List all utilities that you provide service for.

State

Utility Name

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Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response**Reporting Year Savings**

			(a) Residential	(b) Commercial	(c) Industrial	(d) Transportation	(e) Total
State/Territory	MN	Balancing Authority					
		56669					
1	Number of Customers Enrolled		398,375	17,700	1,654		417,729
2	Energy Savings (Mwh)		499.000	120.000	1,511.000		2,130.000
3	Potential Peak Demand Savings (MW)		336.000	84.400	255.000		675.400
4	Actual Peak Demand Savings (MW)		336.000	84.400	255.000		675.400

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)**Reporting Year Costs**

5	Customer Incentives		29,599.184	5,046.055	212.824		34,858.063
6	All other costs		7,542.105	1,620.837	626.652		9,789.594
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?						

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Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response**Reporting Year Savings**

State/Territory	ND	Balancing Authority	56669	(a) Residential	(b) Commercial	(c) Industrial	(d) Transportation	(e) Total
1	Number of Customers Enrolled			12,328	620	123		13,071
2	Energy Savings (Mwh)			13.952	1.718	308.166		323.836
3	Potential Peak Demand Savings (MW)			8.000	1.950	52.000		61.950
4	Actual Peak Demand Savings (MW)			8.000	1.950	52.000		61.950

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)**Reporting Year Costs**

5	Customer Incentives			493.120	149.735	0.000		642.855
6	All other costs			174.280	5.109	2.105		181.494
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?							

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Schedule 6. Part B. Yearly Energy and Demand Savings - Demand Response**Reporting Year Savings**

			(a) Residential	(b) Commercial	(c) Industrial	(d) Transportation	(e) Total
State/Territory	SD	Balancing Authority					
		56669					
1	Number of Customers Enrolled		21,464	602	102		22,168
2	Energy Savings (Mwh)		22.484	2.786	88.894		114.164
3	Potential Peak Demand Savings (MW)		14.900	2.900	15.000		32.800
4	Actual Peak Demand Savings (MW)		14.900	2.900	15.000		32.800

Schedule 6. Part B. Program Cost -- Demand Response (Thousand Dollars)**Reporting Year Costs**

5	Customer Incentives		1,620.951	202.990	0.000		1,823.941
6	All other costs		182.461	17.226	3.151		202.838
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?						

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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	19	566	8	0	593
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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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				
1	Number of Customers enrolled in dynamic pricing programs, by customer class	Residential (a)	Commercial (b)	Industrial (c)	Transportatio (d)	Total (e)
		35	736	13	0	784
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 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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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			
			Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)
						Total (e)
1	Number of AMR Meters		1,087,914	142,199	790	15
2	Number of AMI Meters		137,996	994	0	0
3	Number of AMI Meters with home area network (HAN) gateway enabled					
4	Number of non AMR/AMI Meters		21	2,066	329	1
5	Total Number of Meters (All Types), line 1+2+4		1,225,931	145,259	1,119	16
6	Energy Served Through AMI		281,755	673		
7	Number of Customers able to access daily energy usage through a webportal or other electronic means					
8	Number of customers with direct load control		378,263	14,829	46	

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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				
			Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)	Total (e)
1	Number of AMR Meters		83,745	13,672	82		97,499
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		1	35	5		41
5	Total Number of Meters (All Types), line 1+2+4		83,746	13,707	87		97,540
6	Energy Served Through AMI						
7	Number of Customers able to access daily energy usage through a webportal or other electronic means						
8	Number of customers with direct load control		12,676	587	0		13,263

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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			
			Residential (a)	Commercial (b)	Industrial (c)	Transportation (d)
						Total (e)
1	Number of AMR Meters		89,479	13,320	56	102,855
2	Number of AMI Meters					0
3	Number of AMI Meters with home area network (HAN) gateway enabled					0
4	Number of non AMR/AMI Meters			27		27
5	Total Number of Meters (All Types), line 1+2+4		89,479	13,347	56	102,882
6	Energy Served Through AMI					
7	Number of Customers able to access daily energy usage through a webportal or other electronic means					
8	Number of customers with direct load control		20,641	572	2	21,215

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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)
				Net Metering Installed Capacity (MW)	58.497	42.273	18.264	119.034
				Net Metering Installations	7,766	1,035	229	9,030
				Storage Installed Capacity (MW)				
				Storage Installations				
Photovoltaic				Virtual NM Installed Capacity (1 MW and greater)				
				Virtual NM Customers (1 MW and greater)				
				Virtual NM Installed Capacity (less than 1MW)				
				Virtual NM Customers (less than 1MW)				
				If Available, Enter the Electric Energy Sold Back to the Utility (MWh)				0.000
				Installed Net Metering Capacity (MW)				0.000
Wind				Number of Net Metering Customers				0
				If Available, Enter the Electric Energy Sold Back to the Utility (MWh)				0.000
				Installed Net Metering Capacity (MW)				0.000
Other				Number of Net Metering Customers				0
				If Available, Enter the Electric Energy Sold Back to the Utility (MWh)				0.000
				Installed Net Metering Capacity (MW)	58.497	42.273	18.264	0.000
Total				Number of Net Metering Customers	7,766	1,035	229	0
				If Available, Enter the Electric Energy Sold Back to the Utility (MWh)	0.000	0.000	0.000	0.000
Grand Total All States				Net Metering Installed Capacity (MW)	58.497	42.273	18.264	0
				Net Metering Installations/customers	7766	1035	229	0
				If Available, Enter the Electric Energy Sold Back to the Utility (MWh)	0	0	0	0

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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						

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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	

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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				

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SCHEDULE 9. COMMENTS

SCHEDULE	PART	LINE NO.	COLUMN	NOTES
(a)	(b)	(c)	(d)	(e)

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EIA861 ERROR LOG						
Part	State	BA ID	Error No.	Error Description/Override Comment	Type	Override