



**SUPPLEMENTAL SERVICE RIDER**

Section No. 5  
 1<sup>st</sup> Revised Sheet No. 108

**AVAILABILITY**

Available to any non-residential customer who has an alternative source of electric energy supply which has an output that is variable and dependent on the thermal load characteristics of the customer and, therefore, serves all or a portion of the customer's electrical load requirements for a portion of the time and who requires use of the Company's electric service for supply of energy at other times. The normal expectation of this Rider is that the customer will contract for the firm portion of their backup supply from the Company under the Standby Service Rider and will contract for the interruptible and variable portion under this 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 a permanent service connection to supply the customer's contracted load in accordance with the provisions in the General Rules and Regulations, Section 2.4.

**RESERVATION FEES**

Customer Charge per Month	\$17.36	R
Demand Charge per Month per kW of Contracted Supplemental Service		
Secondary Voltage Service	\$3.15	
Primary Voltage Service	\$2.20	
Transmission Transformed Voltage Service	\$1.40	
Transmission Voltage Service	\$0.80	

**USAGE RATES**

Demand Charge per Month per kW of Supplemental Capacity Used. There will be no demand charge for capacity actually used under this Rider except if that capacity is used during one of the Company's peak controlled interrupt periods. In such case, the demand will be charged as described below.

Energy Charge per kWh of Supplemental Energy Used. Energy actually used under this Rider during acceptable time periods will be charged at the same energy rate as contained in the base tariff to which this Rider is attached except if that energy is used during one of the Company's energy controlled or peak controlled interrupt periods. In such case, the energy will be charged as described below.

(Continued on Sheet No. 5-109)

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Northern States Power Company  
 Minneapolis, Minnesota 55401

**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**SUPPLEMENTAL SERVICE RIDER (Continued)**

Section No. 5  
 Original Revised Sheet No. 109  
 Relocated from MPUC No. 1 Sheet No. 5-36.1 &  
 5-36.2

**RESOURCE ADJUSTMENT**

Bills are subject to the adjustments provided for in the Fuel Clause Rider and in the Conservation Improvement Program Adjustment 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.

**DETERMINATION OF SUPPLEMENTAL DEMAND**

For billing purposes, the customer demand for this Supplemental Service Rider will be determined separately from the billing demand determined under the tariff to which this Rider applies. For purposes of applying the Reservation Fee, the demand will be the quantity specified in the customer's Electric Service Agreement as the maximum amount of Supplemental Service the Company is obligated to supply. This quantity may be different between the summer and winter seasons. For applying the Usage Rate, as referenced in Section 10 below of this Rider, the Supplemental 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 Capacity, not served by the customer's alternative source of electric energy supply. This amount of used Supplemental Service Demand will be determined independent of and will have no effect on the billing demand of the customer under their base tariff.

**DETERMINATION OF SUPPLEMENTAL ENERGY**

Supplemental Energy shall be that portion of the customer's total energy requirements provided by the Company to supplement the customer's generation. Supplemental Energy shall be calculated hourly, and shall be the lesser of:

1. The Supplemental Capacity for which the customer has contracted, or
2. The Supplemental Capacity for which the customer has contracted less generation output above the Standby capacity for which the customer has contracted (as defined in the Standby Service Rider), but not less than zero.

(Continued on Sheet No. 5-110)

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**TERMS AND CONDITIONS OF SERVICE**

1. This Supplemental Service Rider is applicable to any non-residential customer who requires 40 kW or more of backup capacity from the Company. Supplemental 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, however, customer will always be permitted to implement demand side load reductions or use alternative generation when necessary, due to full or partial outage of the customer's generator, instead of using Supplemental Service from the Company. The Company and customer will develop and attach to the Electric Service Agreement, a load control procedure for the customer that will clearly define the customer's demand side load reductions or alternative generation capacity use that, if achieved during control periods, will avoid any Supplemental Demand Usage Rate charges being incurred. This will specifically state that when customer has been notified that a peak control period has been initiated, in addition to any load reductions customer must make under the terms of the controllable load portion of the Electric Service Agreement, customer's demand served by Company must be reduced by an amount equal to the difference between actual generator output and contracted Supplemental Capacity. Additionally, the customer demand served by Company shall not increase during the peak control period. If customer fails at either of these requirements, customer will incur Supplemental usage charges as defined in Section 10 below. C
  
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 that these Riders are attached to and under which demand and energy rates will be selected during months Standby and/or Supplemental power is used,
  - b. The individual and total capacity requirements for which Company will be providing Standby and Supplemental power and to which the Reservation Fees apply, and
  - c. The expected initial level of firm service the customer will take under their base tariff, even if that level is zero, as well as any expected changes in load over the term of the agreement.
  
3. The Company's meter will be ratcheted to measure the flow of power and energy from Company to customer only.

(Continued on Sheet No. 5-111)

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**SUPPLEMENTAL SERVICE RIDER (Continued)**

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 5-36.4

**TERMS AND CONDITIONS OF SERVICE (Continued)**

4. Company will not be obligated to supply Supplemental Service to backup a customer's generator at a level in excess of the Supplemental Capacity for which customer has contracted. This restriction in no way limits the amount of load for which a customer may require service from the Company under the base tariff to which this Rider is attached.
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 Capacity.
6. Company will require customer to contract for additional Supplemental 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 Service. Company and customer will review actual output and performance of the power source relative to the capacity nominated for Supplemental 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 Service. Upon receipt of such notice, customer may agree to reduce the Supplemental 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 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 Service until such time as customer agrees to reduce its Supplemental Service nomination or provide Company with documentation demonstrating the power source's actual performance at or reasonably near the nominated Supplemental Service for a trial period of three consecutive months.
8. Customer will remain on Supplemental Service for a period of not less than 12 months.
9. Customer will be allowed to take Supplemental Energy from the Company at any time, up to the maximum contracted level of Supplemental Demand, without incurring any usage demand charges except during the periods listed below.

(Continued on Sheet No. 5-112)

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**SUPPLEMENTAL SERVICE RIDER (Continued)**

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**TERMS AND CONDITIONS OF SERVICE (Continued)**

10. In the event customer requires Supplemental Service during one of the Company's energy control periods, customer will pay for the Supplemental 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 Service during one of the Company's peak control periods, as defined in the Rules for Application of Peak Controlled Tiered Services and Peak Controlled Services (Closed), customer will pay for the Supplemental 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 pay a fee of \$10.00 per kW of maximum Supplemental 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 Mid-Continent Area Power Pool (MAPP) Agreement, if not for additional capacity purchases, and the Company incurs additional capacity costs as a result of such Supplemental Service used by customer, customer shall pay peak demand charges for the month in which such Supplemental 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 Service at least three hours prior to Company's system peak hour, such Supplemental Peak Demand charges shall be based on one-sixth of any additional capacity costs incurred by the Company as a result of using Supplemental Service. Such additional capacity costs shall not include any MAPP after-the-fact capacity purchase costs incurred by the Company.
  - b. If customer has not notified the Company of any need for Supplemental Service at least three hours prior to the Company's system peak hour, such Supplemental Peak Demand charges shall be based on one-sixth of any additional capacity costs or MAPP after-the-fact purchase costs incurred by the Company as a result of using Supplemental Service. The demand for billing purposes for the succeeding five months shall be equal to the Supplemental Demand placed on the system during the time of the Company's system peak hour.

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**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**SUPPLEMENTAL SERVICE RIDER (Continued)**

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 5-36.5

**TERMS AND CONDITIONS OF SERVICE (Continued)**

11. In the event any portion of the capacity associated with the additional capacity costs or MAPP after-the-fact purchase costs incurred by the Company and attributable to the customer under Section 10 above are subsequently used to satisfy the Company's MAPP requirements for the Company's customers, the peak demand charges under Section 10 shall be discounted with respect to that portion subsequently used by the Company's customers.
  
12. The Company shall provide notice to the Supplemental Service customers when peak load conditions are expected to occur through the same means that the Company notifies interruptible customers of the potential interruption.
  
13. Company will install and charge customer for the metering necessary, as determined by the Company, to allow for proper billing of the separate base tariff, Standby Service Rider and Supplemental Service Rider demands. Customer shall reimburse the Company for the costs of installing, operating, and maintaining these meters and any other facilities required to serve the customer's Supplemental load. Such required additional equipment shall include the metering equipment used to measure the electrical output of the customers' alternative source of electric supply. In particular, the Company will install a meter that measures the flow of power and energy from the customer's own generating facility. If, as a result of the customer's construction and installation of their generating facility, it is more practical or economical 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 an installation plan for such equipment.

(Continued on Sheet No. 5-114)

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**SUPPLEMENTAL SERVICE RIDER (Continued)**

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 5-36.6

**ADDITIONAL TERMS AND CONDITIONS FOR SCHEDULED MAINTENANCE**

1. Supplemental Service customers shall schedule maintenance of their power source during qualifying scheduled maintenance periods.
2. Qualifying Scheduled Maintenance Periods

Customers With 100 kW to 10,000 kW of Contracted Standby and Supplemental 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 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, and at those times when Company is required to use oil-fired generation equipment or to purchase power that results in equivalent 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 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. General Service or General Time of Day Service demand charges shall not apply to use during qualifying scheduled maintenance periods.

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