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## RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE

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### AVAILABLE

To all nonresidential customers in all systems of the Company's electric service area having their own generation facilities provided the Company has sufficient capacity available in production, transmission, and distribution facilities to provide such service at the location where the service is requested.

### APPLICABLE

Service under this rider is required for any Iowa electric nonresidential customer that:

- Has on-site parallel distributed generation systems with a capacity over 100 kW.
- Is normally supplied wholly or partially by a source of power other than the Company's electric system.
- Utilizes Company's electric system for Standby and/or Supplementary electric service at the customer's premises.
- Has Total Load that would result in electric service under one of the following Company's demand service tariffs:
  - General Service Rates.
  - Large General Service Rates.
  - Substation Service.
  - Individual Contract Rates.

This Rider is not required where:

- On-site generation is used only for emergency supply during times of utility outage.
- A customer takes service under Rider NB Net Billing of Small Alternate Energy Producers and Small Hydro Facilities.
- A customer requires 100 kW or less of Standby Service and is taking service under the Company's:
  - Rate QF Cogeneration and Small Power Production Facilities.
  - Rate AEP Alternate Energy Production Facilities.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**CHARACTER OF SERVICE**

Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company's Electric Policies and Electric Rate Application.

**DESCRIPTION**

Energy provided to the customer under this rider is limited to energy for Scheduled Maintenance, Unscheduled Outages, and Supplementary Service as defined below. The customer shall not generate and allow energy flow onto the Company's system unless it is separately metered or otherwise permitted in accordance with the Company's Electric Service Policies.

Standby Service may not be used by a customer to serve controllable demand that is subject to interruption as determined by the Company under Rider CS – Curtailment Service.

Supplementary Service is available to any nonresidential customer who requires additional power requirements beyond that provided by their self-generation.

**DEFINITIONS**

Backup Energy means the energy actually delivered by the Company for customer's scheduled or unscheduled outage of customer-owned generation equipment.

Contracted Base Demand means the quantity specified in the customer's electric service agreement as the maximum amount of Standby Service the company is obligated to supply.

EAC means the Energy Adjustment Clause.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**DEFINITIONS (continued)**

Forced Outage Rate means the unplanned generator outage expressed as a percentage. For the first twelve months, such rate shall be the EFORd Class published on the Midcontinent Independent System Operator, Inc. (MISO) website most similar to customer's generation. For customer generation that is a combined heat and power gas turbine, Company presumes a forced outage rate equivalent to the MISO EFORd for Combined Cycle unless customer documents a different outage rate. For customer generation that is a combined heat and power reciprocating engine, Company presumes a forced outage rate equivalent to the MISO EFORd for Diesel Engines, unless customer documents a different outage rate. For subsequent twelve (12) month periods, the EFORd shall be the actual unplanned generator outage for the customer's generating facilities for the previous twelve (12) month period. The actual unplanned generator outage for customer's generating facilities shall be calculated as the number of hours the generator was not available in the prior twelve (12) month period, divided by 8,760 hours. T  
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Standard Electric Service Rate means the Company's rate or price schedule under which the customer's Total Load would be served.

Generator Meter means the meter(s) used to measure the electrical output of the customer's generating facilities.

Main Meter means the meter(s) installed between the Company and the customer.

Scheduled Maintenance means the energy or energy and capacity supplied by the Company during planned maintenance of the customer's non-utility source of electric energy supply. The energy or energy and capacity shall be prearranged by the customer with the Company as specified in Scheduled Outage Coordination provision in this rider.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**DEFINITIONS (continued)**

Standby Service means electric energy or capacity supplied by the Company to replace energy or capacity ordinarily generated by the customer's own generation equipment during periods of either:

- Scheduled maintenance.
- Unscheduled outages.

Supplementary Energy means energy or energy and capacity supplied by the Company to the customer when customer's non-utility source of electricity is insufficient to meet the customer's own load.

TCA means the Transmission Cost Adjustment Clause.

Total Load means for each demand period, the sum of load measured by the Main Meter and the Generator Meter for such period.

Unscheduled Outage means the energy or energy and capacity supplied by the Company that is not prearranged as specified in this tariff provided during unplanned electrical and/or mechanical maintenance of customer's non-utility source of electric energy supply and is subject to interruption by the Company.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**METERING**

All electricity delivered to the customer by the Company will be measured by one or more meters installed at a single point of common interconnection or as determined by the Company. The customer shall allow the Company to make all necessary arrangements to meter:

- The amounts of demand, reactive demand, and energy supplied by the Company.
- The gross demand and energy output of the customer's generation equipment.

The Company shall provide and the customer shall be required to pay the installation, operation, and maintenance costs incurred by the Company for the metering equipment installed on the customer's generation equipment. The customer shall also provide a communication line (telephone or Internet TCP/IP) or other interfaces agreed to by Company for automated transmission of interval data. Access shall be provided by customer to Company for maintaining and operating such equipment.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**ELECTRIC SERVICE AGREEMENT**

The customer will be required to execute an Electric Service Agreement for the service provided under this rider for an initial term of not less than five years with an appropriate cancellation charge covering the cost of installation and removal of facilities if service is terminated in less than ten years, unless otherwise mutually agreed upon by the customer and the Company.

A notice of one year may be required before the Company will allow a customer currently receiving firm service from the Company, for a load in excess of ten thousand (10,000) kW, to begin service under this rider unless otherwise mutually agreed upon by both the Company and the customer. The term of any notice will be dependent on the Company's ability to adjust its generation capability, including reserve margin, for the reduced firm load due to self-generation installed by the customer.

Contract Base Demand shall be an amount mutually agreed upon by both the customer and the Company. If the total capacity requirement is less than the nameplate capacity of customer's power source, then customer shall inform Company of the means by which outage demand will be less than the nameplate capacity. The Company may request that the customer provide a load reduction plan that describes the customer's ability to remove load within a specified timeframe.

The Electric Service Agreement with the Company shall specify:

- The total capacity requirements which shall be no less than that which the Company shall be required to supply in the event the customer's power source is not available.
- The capacity of customer's power source for which the Company will be providing Standby Service and to which the Contracted Base Demand Charges will apply for determining Reservation Fees.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**CONTRACTED BASE DEMAND**

The Company shall not be obligated to supply Standby or Supplementary Service for a customer's load in excess of the Contracted Base Demand. The Company may require the customer to contract for additional Contracted Base Demand if the customer exceeds that specified in the Electric Service Agreement.

The customer shall furnish documentation to the Company of any changes affecting the maximum capacity and reliability of the power source for which the customer requires Standby or Supplementary Service.

The Contracted Base Demand Charge shall be determined by the Contracted Base Demand in kW.

The customer shall be liable for all damages or costs caused by the customer's use of power in excess of the Contracted Base Demand. The Company may require the customer to install an approved load limiting device which shall be set and sealed by the Company so that the customer's use of service will not exceed the number of kilowatts contracted for by the customer.

At the conclusion of the initial service period, if a customer suspends taking service and within twelve (12) months thereafter resumes taking service at the same premises, the reconnect charge shall be equal to the minimum charge the customer would have otherwise been required to pay during the disconnection period had service not been terminated.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**INTERCONNECTION**

The customer shall be subject to the provisions of the Company's requirements for interconnection as applicable and as they may change from time to time. The customer will pay all costs of interconnecting a facility to the Company's system as specified in the Company's interconnection policy and contract with the customer. Termination fees shall be consistent with those defined in the Electric Service Agreement.

The Company may be reimbursed by the customer for costs which are incurred, or which have been previously incurred, in providing facilities which are used principally or exclusively in supplying service for any portion of the customer's requirements which are to be normally supplied from a source of power other than the Company's electric system.

During times of customer generation, customer will be expected to provide VARs as needed to serve their load. Customer will provide equipment to maintain a unity power factor plus or minus ten percent (10%) for supplemental demand, and when the customer is purchasing Backup Energy from the Company.

All electricity delivered to the customer shall be for the exclusive use of the customer and shall not be resold.

The Company reserves the right to establish a minimum charge in order to recover the costs of facilities required to serve such load. Said charge shall be specified in the Electric Service Agreement.





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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**STANDBY SERVICE**

NET MONTHLY RATE

Monthly Service Charge

Billed at customer's Standard Electric Service Rate

Reservation Fees\*  
Generation Service

Contracted Base Demand Charge  
\$ 8.37 per kW per month x Forced  
Outage Rate

Transmission Service

(\$ 1.86 per kW per month + TCA) x  
Forced Outage Rate

(\$ 1.86 per kW per month + TCA) for  
Generation over 5 MW\*\*

Substation Service

\$ 0.93 per kW per month

Distribution Service (not applicable to  
customers taking service directly from  
a substation)

\$ 1.77 per kW per month

Reactive Demand

\$0.50 per kVar

\*\*Any customer that can successfully demonstrate reduced use of the transmission system when called upon by MISO shall share in any resulting reduced rates MidAmerican receives from MISO.

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Issued by: Naomi G. Czachura  
Vice President

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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE  
(continued)**

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**STANDBY SERVICE (continued)**

Where the Forced Outage Rate shall be set to the:

- MISO Pooled EFORd for generation installed most similar to customer’s generation for the first twelve months of the Electric Service Agreement.
- Actual Forced Outage Rate for customer’s generating facilities experienced in the prior twelve month period for the subsequent twelve-month periods, adjusted annually.

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Scheduled Standby Usage Rates\*

Demand and energy charges under the customer’s Standard Electric Service Rate as recorded by the Main Meter and applied as follows:

Daily Demand Charge

Per kW for maximum demand for  
standby period, applicable daily  
Maximum Demand less the Substation  
Service and Distribution Service  
(if applicable) Reservation Fees

(Demand Charge Rate -\$0.93 - \$1.77 [if  
applicable])÷ 30.4167

Energy Charge

Energy Charge Rate

Reactive Demand

kVAR Demand Charge Rate

\*During any billing period in which the customer utilizes scheduled standby energy and capacity, the customer shall be billed the greater of customer’s Reservation Fees or Scheduled Standby Demand Charges for that billing period.



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## **RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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### **STANDBY SERVICE (continued)**

#### Unscheduled Usage Rates

The greater of:

- Energy charges included under the customer's Standard Electric Service Rate based on energy usage recorded by the Main Meter.
- MISO LMP + 10% for period of Unscheduled Outage based on demand and energy usage recorded by the Main Meter.

#### Rates, Adjustments and Clauses

As applicable in customer's Standard Electric Service Rate, including Reactive Demand Charges. The EAC and TCA clauses shall not apply to charges billed under MISO LMP.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**STANDBY SERVICE (continued)**

Minimum Charge

Monthly bills shall include:

- Standard Electric Service Rate monthly basic service or monthly service charges
- Reservation fees based on Contracted Base Demand

Payment

Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.

Scheduled Outage Coordination

Customer and Company will coordinate planning and the determination of a schedule for performance of periodic maintenance of the customer's facilities. Such maintenance shall be scheduled to avoid summer and winter peaks or agreed upon in the Electric Service Agreement. Scheduled maintenance is typically available in April, May, October, and November. The customer must provide at least a 30-day notice of its proposed schedule for scheduled maintenance. Customer may modify the maintenance schedule with 30-days' notice to the Company.

Scheduled maintenance may not exceed 45 days in any continuous 12-month period unless otherwise agreed by Company in writing. Any extension of maintenance period may be requested by the customer in writing and shall be responded to by the Company in writing.

Customers that do not comply with the terms and conditions for qualifying maintenance periods will be subject to unscheduled usage charges.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**STANDBY SERVICE (continued)**

Unscheduled Outage Usage

Unscheduled standby is limited to Backup Energy required during a forced outage of the customer's self-generation. The customer is allowed to use unscheduled standby service up to the number of hours equivalent to the Forced Outage Rate multiplied by 8,760 hours in a twelve (12) month period without incurring additional Supplementary power charges. Riders, terms, and conditions for the customer's Standard Electric Service Rate shall apply.

Unscheduled Outage Coordination

Unscheduled outage is subject to:

- Availability.
- The condition that supply will not seriously impair or jeopardize the system.
- Notification by telephone for loss and restoration of power source.
- Written follow-up notification within 48 hours of loss and/or restoration.



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**RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)**

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**SUPPLEMENTARY SERVICE**

NET MONTHLY RATE

Supplementary Service

Billed at customer's Standard Electric Service Rate, including its terms, conditions, minimum charge, and minimum bill provisions.

Adjustments and Clauses

As applicable in customer's Standard Electric Service Rate.

Billing

Supplementary demand for each demand period shall be the applicable demand for tariff service associated with the Main Meter for the billing period.

Supplementary energy shall be the applicable energy charges for the tariff service associated with the Main Meter for the billing period.

Minimum Charge

Minimum charge as defined in customer's Standard Electric Service Rate.

Payment

Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.



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1<sup>st</sup> Revised Sheet No. 492  
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4<sup>th</sup> Revised Sheet No. 493  
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