

Interstate Power and Light ELECTRIC TARIFF

Filed with the I.U.B.

ORIGINAL TARIFF NO.

Substitute Second Revised Sheet No. 43

Canceling Substitute First Revised Sheet No. 43

Standby Power Service

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Rate Codes: 790/840

Availability:

Applicable to power and lighting requirements of Large General Service, or Large General Service Large Volume/High Load Factor Customers having their own qualifying generating facilities and desiring standby power and who have entered into an Electric Service Agreement with the Company for the interconnection and operation of on-site extended parallel distributed generation systems with capacity of 100 kW or more. The Qualifying generating facility must be a cogeneration facility or a small power production facility under 18 CFR Part 292, Subpart B or an Alternative Energy Production facility as defined in tariff AEP. Customer's need for temporary standby power will be used for scheduled maintenance and unscheduled outage service. Contracts will be made for this service 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. Not applicable for resale Customers. C
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Power production equipment at the Customer site shall not operate in parallel with the Company's system until the customer has executed a contract with the Company that authorizes the customer to operate in parallel with the Company's electrical system. C
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A Customer receiving standby service may terminate standby power service and establish service under the applicable standard non-residential service tariff within the same time frame as would be required of a new Customer with a similar load to establish service under a Company non-residential service tariff. The term of any notice required to switch to standard tariff service will be dependent on the Company's ability to adjust its generation capability, including reserve margin, for the increased firm load due to Customer's selection of standard tariff service from the Company. C

Energy provided to the Customer under this tariff is limited to energy for scheduled maintenance, and unscheduled outages as defined in the definitions below. Customer shall not generate and allow energy to flow onto the Company's system unless it is separately metered or otherwise permitted in accordance with the Company's Rule and Regulations. C
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For purposes of determining applicability of this rate schedule, the following definitions shall be used:

(1) "Firm Standby Service" means electric energy and/or capacity supplied by the Company to replace energy and/or capacity ordinarily generated by the Customer's own generation equipment during periods of either scheduled (maintenance) or unscheduled (backup) outages of all or a portion of the Customer's generation. Firm Standby Service is IPL's most reliable, constant electric service; IPL would interrupt the supply of electricity to firm service Customers only as a last resort. The cost of firm service includes the reservation cost of generation, transmission and distribution of electricity plus usage charges. C
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(2) "Non-firm Standby Service" means electric energy and/or capacity supplied by the Company to replace energy and/or capacity ordinarily generated by the Customer's own generation equipment during periods of either scheduled (maintenance) or unscheduled (backup) outages of all or a portion of the Customer's generation. Non-firm Standby Service is the electric service that IPL provides only to the extent that it has capacity not being used to meet the needs of firm-service Customers. The cost of non-firm service includes the distribution and transmission reservation costs of electricity plus usage charges. C
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- (3) "Scheduled Maintenance service" is energy, or energy and capacity, supplied by the Company during scheduled maintenance of the Customer's non-utility source of electric energy supply. C
 - (4) "Unscheduled Outage service" is energy, or energy and capacity, supplied by the Company during unscheduled electrical and/or mechanical maintenance of the Customer's non-utility source of electric energy supply. An unscheduled outage is not a temporary economy sale of power. N
 - (5) "Locational Marginal Pricing or LMP" refers to a pricing process provided and maintained by the Midcontinent Independent System Operator (MISO). MISO produces a delivered cost of energy at Interstate Power and Light's pricing node ALTW.ALTW on both a real-time hourly basis and a day ahead hourly basis. N

A Customer taking service under Company's AEP or CSPP tariffs and requiring 100 kW or less of standby capacity from the Company is exempted from paying any standby charges. Standby service will be available to these Customers through its base tariff rates. D

Standby Service is not available for emergency standby generation. C

Service hereunder is also subject to Company's Rules and Regulations.

Service Agreement:

Customer will be required to contract for the service provided under this tariff. C

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 tariff 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.

Character of Service:

The Company delivers 60 hertz, single or three-phase, alternating current service at transmission, primary or secondary voltage under this tariff. As available and at the Company's option, such service shall be supplied at available voltage.

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Monthly Standby Charges:

	Firm Scheduled <u>Standby</u>	Non-firm Scheduled <u>Standby</u>	
Reservation Fees:			
Base Demand Charge per Month per kW of Contracted Standby Capacity			
Reservation Generation Service	\$0.29	\$0.00	
Reservation Transmission Service*	Rider RTS	Rider RTS	
Reservation Distribution Service Primary Rate**	\$7.87	\$7.87	R,C N
Reservation Distribution Service Secondary Rate**	\$11.49	\$11.49	N N
Standby Usage Rates:			
Daily Demand Charge Per kW for each daily maximum On-peak Standby demand			
Secondary Rate	\$0.37	\$0.37 ***	R
Primary Rate	\$0.36	\$0.36 ***	R
Transmission Rate	\$0.35	\$0.35 ***	R
Non-fuel energy charges per kWh:			
On-peak Summer	\$0.02409	\$0.02409	R
Off-peak Summer	\$0.01524	\$0.01524	R
On-peak Winter	\$0.01523	\$0.01523	R
Off-peak Winter	\$0.00647	\$0.00647	R

* Terms, conditions, and charges for transmission service are subject to MISO's Open Access Transmission Tariffs. Rate subject to Rider RTS Standby rate.

** Distribution service is required for all customers served at a non-transmission voltage level. Secondary rate is applicable for voltages under 2,000 volts, transmission rate is applicable for voltages 69,000 volts and above, and primary rate is applicable to all other voltages.

*** In the event Customer requires capacity during such times the Company has insufficient accredited capacity under MISO Module E Resource Adequacy requirements, the Company at its option may purchase additional capacity to serve unscheduled standby service. All capacity charges and any other costs incurred by Company in obtaining such additional capacity shall be billed to Customer.

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Unscheduled Standby Energy Adjustment Rate:

Unscheduled energy provided to the Customer under this tariff is limited to backup energy required during a forced outage of the Customer's self-generation. In lieu of the monthly energy adjustment clause rate, the price for unscheduled sales shall be based on each hourly kW priced at the Midcontinent Independent System Operator (MISO) ALTW.ALTW node real-time LMP price plus a 10% adder for any incremental administrative and MISO-related charges but not less than the monthly energy adjustment clause. Customer is allowed to use unscheduled standby service up to 964 hours per year. In addition, the Standby Usage rates for daily demand charges, non-fuel energy charges, Rider EECR, Rider TAX, and Rider EEBC shall apply.

Customer Charge:

A monthly customer charge shall also apply as follows:

<u>Transmission</u>	<u>Primary Distribution</u>	<u>Secondary Distribution</u>
\$550	\$85	\$245

Definition of Peak Periods for Standby Service:

On-Peak: 7 AM - 8 PM CST weekdays. C

Off-Peak: All other hours (including the holidays of New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day). C

Summer Season Definition for Standby Service:

Summer – May 16 through September 15 for usage rates. C

Minimum Charge for Standby Service:

The minimum charge for any month's service shall be the reservation fee for the applicable billing demand plus the customer charge.

Determination of Daily Demand for Standby Service:

For applying the Usage Rate, when the Customer's generation is less than the minimum normal operating level as specified in the Agreement, the standby demand shall be the amount of actual capacity supplied by the Company. The actual capacity supplied shall be adjusted for reactive demand as described below.

Reactive Demand for Standby Service:

A reactive demand charge of \$1.88 per kilovar will apply for the portion of the maximum kilovar registered during the month in excess of 20% of the maximum kW registered during the month. The standby billing kilovar shall be adjusted for the supplementary reactive demand supplied during that same hour if the customer also elects supplementary service.

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Contract Standby Demand:

The level of Customer's generation requiring Standby Service as specified in the Agreement. 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 Standby Service the Company is obligated to supply. This quantity may be different between the summer and winter seasons, is applied on a calendar month basis, and is not pro-ratable between summer and winter seasons. This amount of standby contract demand will be determined independent of and will have no effect on the standby usage demand of the Customer applied under the usage rates of the tariff. This contract standby demand will not be less than the maximum load actually served by the Customer's generation during the current month. Should actual demand be in excess of the firm contract demand, customer will be billed the greater of the contract demand specified in the contract or the maximum demand level for the next 12 months.

Energy Adjustment Clause:

Billing under Standby Service for both unscheduled and scheduled kWh shall include an adjustment, computed monthly, to compensate for the cost of fuel and purchased power as described in the Energy Adjustment Clause Rider EAC. All incremental unscheduled standby usage revenues priced at MISO LMP rates shall be treated as a 100% Iowa deduction from the fuel adjustment calculations.

Energy Efficiency Cost Recovery Clause:

See Rider EECR.

Tax Adjustment Clause:

This price is subject to a Tax Adjustment, see Rider TAX.

Regional Transmission Service Clause:

Billing under this schedule will include an adjustment per kW of reservation demand computed annually, to compensate for changes in the cost of transmission service as described in the Regional Transmission Service Clause, Rider RTS.

Renewable Energy Rider:

See Rider RER.

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Rate Case Expense Rider:

See Rider RCE.

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Energy Efficiency Bill Credit:

See Rider EEBC.

Prompt Payment Provision:

After 20 days, add 1 1/2% on the past-due amount.

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Scheduling Standby Services:

Scheduled maintenance is available to Standby Service Customers who agree to schedule their maintenance of their power source during qualifying maintenance periods. The qualifying maintenance period shall be mutually agreed upon in writing by the Company and the Customer. Customer shall provide an annual projection of scheduled maintenance to the Company. The Customer provided maintenance schedule shall be allowed to be modified by the Customer based upon sufficient notice to the Company. The total duration of a Customer's qualifying maintenance periods may not exceed six weeks in any continuous 12 month period, unless otherwise mutually agreed upon in writing by the Customer and the Company. Customers that do not comply with the terms and conditions for qualifying maintenance periods shall be subject to unscheduled standby usage charges in addition to scheduled standby usage charges.

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Terms and Conditions of Service:

1. Standby Service is available to any non-residential Customer who requires 100 kW or more of standby capacity from the Company. Standby Service may not be used by a Customer to serve controllable demand that is subject to interruption as determined by the Company under Company's interruptible Rate Rider INTSERV.
2. The Customer shall execute an electric service agreement with the Company which shall specify:
 - a. 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.
 - b. The capacity of the Customer's power source for which the Company will be providing standby power and to which the standby service charge applies.
3. The Customer will allow the Company to make all necessary arrangements to meter (1) the amounts of demand and energy supplied by the Company, and (2) 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 required above through an excess facilities charge unless the Customer provides equivalent metering and communication access. The Company shall retain ownership of all Company metering equipment. Customer provided metering equipment shall meet all the Company technical metering requirements and shall attain Company defined testing standards.
4. The Company shall not be obligated to supply standby service for a Customer's load in excess of the capacity for which Customer has contracted.
5. The Customer shall be liable for all damages or costs (including MISO costs) caused by Customer's use of power in excess of contracted for capacity.
6. Company may require Customer to furnish and install an approved load limiting device which shall be set and sealed by Company so that the Customer's use of service will not exceed the number of kilowatts contracted for by Customer.

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Terms and Conditions of Service (continued)

7. The Company may require the Customer to contract for additional standby capacity if the Customer exceeds the contracted amount. C
8. The Company may require a Customer to annually furnish documentation to the Company confirming the maximum capacity and reliability of the power source for which the Customer requires Standby Service. C
9. At the conclusion of the initial service period, if Customer suspends taking service and within 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.
10. All electricity delivered to the Customer by the Company will be measured by one or more meters installed at a single point of common coupling or as determined by the Company.
11. Company and Customer will coordinate the planning and the determination of a schedule for performance of periodic maintenance of Customer's facilities. Such maintenance shall be scheduled to avoid summer and winter peaks or agreed upon in the contract. Company will require the Customer to provide reasonable notice of its proposed schedule for scheduled maintenance. The term of the agreed schedule may thereafter be extended only with the consent of the Company in response to Customer's request received prior to the end of the maintenance period. A scheduled maintenance request previously approved by the Company may be recallable depending upon operational constraints of the electrical system. Company is under no obligation to curtail service to other retail customers to provide standby service. C
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12. 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 service agreement.
13. All electricity delivered shall be for the exclusive use of the Customer and shall not be resold.
14. 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 Agreement for Service.
15. The Customer shall be subject to the provisions of the Company's requirements for interconnection as they exist and may change from time to time.
16. 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.

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Terms and Conditions of Service (continued)

17. Customer shall indemnify Company against all liability which may result from any and all claims for damages to property and injury or death to persons which may arise out of or be caused by the erection, maintenance, presence, or operation of the co-generation facility or by any related act or omission of the Customer, its employees, agents, contractors or subcontractors.

18. 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 when Customer is taking standby service from Company.

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