

THE STATE CORPORATION COMMISSION OF KANSAS

Index No. 4

THE EMPIRE DISTRICT ELECTRIC COMPANY  
(Name of Issuing Utility)

**SCHEDULE** PGS

ALL TERRITORY  
(Territory to which schedule is applicable)

Replacing Schedule PGS Sheet 6

which was filed 06-24-02

PARALLEL GENERATION SERVICE  
SCHEDULE PGS  
Sheet 1 of 3 Sheets

**AVAILABILITY:**

Electric service is available under this schedule at points on the Empire District Electric Company (Company) system.

**APPLICABLE TO:**

Residential or General Service customers who contract for service supplied at one point of delivery where part or all of the electrical requirements, as defined in the Definitions and Conditions section, of the Customer can be supplied from Customer owned generation sources, and where such sources are connected for parallel operation of the Customer's system with the Company's system. Customer sources may include but are not limited to windmills, water wheels, solar conversion and geothermal devices.

Prior to commencement of service, a standard contract for service shall be entered into, specifying the maximum kW load the Company is to supply and setting out the type and size of electric generating facilities, the type of protective relay equipment, and other technical and safety aspects of parallel operation. A copy of the standard contract is filed as " Rider NM" of the Company Tariff.

This schedule is not applicable to resale or redistribution of electric service.

**CHARACTER OF SERVICE:**

Service shall be alternating current, 60 cycles, at the voltage and phase of the Company's existing distribution system having capacity of receiving the Customer's excess power.

**NET MONTHLY BILL / RATE:**

1. For capacity and energy supplied by the Company to the Customer, the Company's rate schedule and terms and conditions normally applicable to the Customer, absent parallel generation, shall apply.
2. For capacity and energy supplied by the Customer to the Company, the Company shall pay:  
  - 150 percent of the average system cost of energy per kWh multiplied by the kWh supplied by the Customer for residential systems less than 25 kW and non-residential systems less than 100kW.
3. For capacity and energy supplied by the Customer to the Company for residential systems in excess of 25 kW (but less than 100 kW) the Company shall pay the negotiated energy price per kWh multiplied by the kWh supplied by the Customer. Said negotiated price will be based on the Company's "avoided energy cost".
4. An application fee of \$200 to cover the engineering studies associated with each interconnection application that is less than 100 KW, or residential interconnection that is less than 25 kW, will be assessed for each interconnection point studied.

An application fee of \$1,000 will be assessed to cover the costs of engineering studies for applications with non-residential customer-generation in excess of 100 kW or residential customer-generation in excess of 25 kW. This fee covers the first 5 hours of research and engineering evaluation. Additional engineering fees of \$200 per hour will apply for studies requiring more lengthy studies. In addition, the cost of any "transmission system studies" required by the Power Pool and/or RTO's and/or ISO's will be the responsibility of the customer-generator.

Commission File Number \_\_\_\_\_

|           |                      |           |                |
|-----------|----------------------|-----------|----------------|
| Issued    | <u>May</u>           | <u>24</u> | <u>2004</u>    |
|           | Month                | Day       | Year           |
| Effective | <u>May</u>           | <u>24</u> | <u>2004</u>    |
|           | Month                | Day       | Year           |
| By        | _____                |           | Vice President |
|           | Signature of Officer |           | Title          |

04-GIME-080-GIE  
Approved  
Kansas Corporation Commission  
May 24, 2004  
/S/ Susan K. Duffy

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Sheet 2 of 3 Sheets

**MINIMUM BILL:**

The minimum bill shall be the same as in the tariff under which service is received.

**DEFINITIONS AND CONDITIONS:**

1. The Empire District Electric Company (Company) will supply, own and maintain all necessary meters and associated equipment utilized for billing. In addition, and for purposes of monitoring Customer generation and load, the Company may install at its expense, load research metering. The Customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research.
2. The Company shall have the right to require the Customer, at certain times and as electrical operating conditions warrant, to limit the production of electrical energy from the generating facility to an amount no greater than the load at the Customer's facility of which the generating facility is a part.
3. The Customer will install, own and maintain a utility accessible, lockable, visible, load-break, disconnecting device located near the electric meter or meters. Interconnection facilities shall be accessible at all times to Company personnel.
4. The Customer shall furnish, install, operate and maintain in good order and repair, without cost to the Company, such relays, locks and seals, breakers, automatic synchronizer and other control and protective apparatus, as shall be designated by the Company as being required, as suitable for the operation of the generator, in parallel with the Company's system.
5. The Customer shall be required to reimburse the Company for any equipment or facilities required as a result of the installation by the Customer of generation in parallel with the Company's service.
6. The Customer shall notify the Company prior to the initial energizing and start-up testing of the customer-owned generator, and the Company shall have the right to have a representative present at said test.
7. The Customer's equipment shall not produce total harmonic current distortion greater than 5% of the fundamental frequency current at rated inverter output. Customer shall also limit the distortion of the individual harmonics to the levels established by the Company in its requirements document.
8. The small-interconnection schedule is available to residential customers providing electrical energy and capacity to the Company from small power production facilities with a design capacity of 25 kilowatts (kW) or less, where part or all of the electrical requirements of the Customer can be supplied from such customer-owned capacity, and is available to non-residential customers providing electric energy and capacity to Company from small power production facilities with a design capacity of 100 kW or less, where part or all of the electrical requirements of the Customer can be supplied from such customer-owned capacity. This schedule will also apply to residential customers whose small power production facilities exceed 25 kW up to 100 kW. (In these instances, the amount paid for electrical energy and capacity will be based on a negotiated "avoided cost" calculation).

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- 9. Service to/from any large Customer-Generator (with parallel generation in excess of 100kW) will be on a negotiated basis in accordance with PURPA guidelines/requirements and may not necessarily be in exact accordance with all of the terms and conditions set forth in this PGS schedule.
- 10. Service hereunder is subject to the Company's General Terms and Conditions on file with the Kansas Corporation Commission.
- 11. All provisions of this rate schedule are subject to changes made by order of the regulatory authority having jurisdiction.

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