

## **PARALLEL GENERATION RIDER-RENEWABLE GENERATION RIDER- PGR-22**

### **DEFINITIONS.**

- a. Governing Statute. KSA 66-1,184
- b. Member-generator: The owner or operator of a qualified electric energy generation unit which:
  - i. Is powered by a Renewable Energy Resource.
  - ii. Is interconnected and operated in parallel phase and synchronization with the Cooperative for the purpose of feeding excess electrical power which is generated by the members energy-producing system into the Cooperative's system.
  - iii. Has entered a parallel generation contract with the Cooperative.
  - iv. Has an electrical generating capacity of not more than twenty-five (25) kilowatts for residential members or two hundred (200) kilowatts for commercial members.
  - v. Is located on a premises owned, operated, leased, or otherwise controlled by the member-generator.
  - vi. Is appropriately sized to primarily offset part or all the member-generator's anticipated electrical load requirements.
  - vii. Meets all applicable safety, performance, interconnection, and reliability standards established by the National Electrical Code, the National Electrical Safety Code, the Institute of Electrical and Electronics Engineers, Underwriters Laboratories, the Federal Energy Regulatory Commission, and any local governing authorities; and
- c. GENERATING CAPACITY. The nameplate maximum output of the renewable energy generation source.
- d. RENEWABLE ENERGY RESOURCES. Electrical energy produced means wind, solar, photovoltaic, biomass, hydropower, geothermal, waste incineration and landfill gas resources or technologies located in Kansas as defined in KSA 17-4652.
- e. SYSTEM MONTHLY AVERAGE COST. The average cost of wholesale power from the previous calendar year less special purchase contracts. This will be calculated annually from the Cooperatives' audited financial statements. PGR-22 payment will be 150% of the system average cost.

**APPLICABILITY.** This schedule is applicable to all residential members who own and operate a renewable energy generator with a generating capacity of 25 kilowatts or less or to all commercial members who own and operate a renewable energy generator with a generating capacity of 200 kilowatts or less. Service under this section shall be subject to the Cooperative's rules and regulations.

**AVAILABILITY.** the Cooperative may limit the number and size of renewable generators to be connected to the Cooperative's system due to the capacity of the distribution line to which such renewable generator would be connected, and in no case shall the Cooperative be obligated to purchase a total combined amount greater than four percent (4%) of such Cooperative's (coincidental) peak power requirements.

**CHARACTER OF SERVICE.** Alternating current, 60 cycles, at the voltage and phase of the Cooperative's established primary or secondary distribution system immediately adjacent to the service location.

**BILLING AND PAYMENT.** The Cooperative shall render a bill for consumption at approximately 30-day intervals during the Cooperative's normal billing interval.

- a. Billing by the Cooperative to the Member shall be in accordance with the applicable rate schedule. For electrical energy delivered by the Member to the Cooperative from the Renewable Energy Resource, the Cooperative shall pay one-hundred and fifty percent (150%) of the system monthly average cost. Payment for net generation shall be limited to 20% of the member-generator's anticipated electrical load requirement unless otherwise approved by the

General Manager monthly. Any such amount shall be paid at least annually or when such amount is \$25 or more.

- b. Renewable member-generators may not change between the net metering and parallel generation riders without the prior approval of the Cooperative and such elections shall not be for periods of less than one-year.

INTERCONNECTION COSTS. As determined at the sole discretion of the Cooperative on a non-discriminatory case-by-case basis to recover any additional expenses caused by the Member's generation facility to include costs of engineering, connection, switching, metering, transmission, distribution, safety provisions and administrative expenses related to the installation and maintenance of the physical facilities necessary to permit interconnected operations.

TERMS AND CONDITIONS.

- a. No such apparatus or device shall be attached or energized that could either cause damage to the Cooperative's system or equipment or present an undue hazard to utility personnel.
- b. Within twenty (20) business days of written notification and application of the member's intent to construct and install parallel generation, the Cooperative shall provide the member a written estimate of all costs that will be incurred by the Cooperative and billed to the member to accommodate the interconnection. The member may be required to reimburse the Cooperative for any engineering or operations studies, equipment, facilities, protective equipment, or upgrades required solely because of the installation by the member of generation in parallel with the Cooperative's service.
- c. The Cooperative will supply, own, and maintain all necessary meters and associated equipment utilized for billing. In addition, and for the purposes of monitoring member generation and load, the Cooperative may install at its expense, load research metering. The member shall supply, at no expense to the utility, a suitable location for meters, easement and access, and associated equipment used for billing and for load research.
- d. The member shall furnish, install, operate, and maintain in good order and repair and without cost to the Cooperative, such relays, locks and seals, breakers, automatic synchronizer, and other control and protective apparatus as shall be designated by the Cooperative as being required as suitable for the operation of the generator in parallel with the Cooperative's system.
- e. The member shall install and maintain a visible, manual disconnect switch. This manual switch must have the capability to be locked out by Cooperative personnel to isolate the Cooperative's facilities in the event of an electrical outage on the Cooperative's transmission and distribution facilities serving the member. This isolating device shall also serve as a means of isolation for the member's equipment during any member maintenance activities, routine outages, or emergencies. The Cooperative shall give notice to the member before a manual switch is locked or an isolating device used, if possible; and otherwise, shall give notice as soon as practicable after locking or isolating the member's facilities.
- f. The Cooperative may require a special agreement for conditions related to technical and safety aspects of parallel generation.
- g. The member shall notify the Cooperative prior to the initial energizing and start-up testing of the member-owned generator, and the Cooperative shall have the right to have a representative present at such test;
- h. If harmonics, voltage fluctuations, or other disruptive problems on the Cooperative's system are directly attributable to the operation of the member's system, such problem(s) shall be corrected at the member-generator's expense.
- i. For the purposes of ensuring the safety and quality of utility system power, the cooperative shall:
  - i. Have the right to require the member, 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 member's facility of which the generating facility is a part.

- ii. Have the right to disconnect the member-generator's facilities subject to the Cooperative's Rules and Regulations as adopted by the Board of Trustees.
- j. The Cooperative shall not be liable directly or indirectly for permitting or continuing to allow an attachment of the facility or for the acts or omissions of a member-generator that cause loss or injury, including death, to any third party. The member-generator agrees to hold the Cooperative harmless from injury or property damage incurred by any person and arising out of the ownership, operation, maintenance, or use of the parallel generation facility and to indemnify the Cooperative against all liability and expense related thereto.
- k. The meter is the property of the Cooperative. Each meter connected under this Rider defines a member-generator and is the point of ownership transition between the Cooperative and the member-generator.
- l. A generator owned or operated by a member generator cannot be connected in common with any other meter or be deemed to be for the purpose of serving the load connected to any other meter. To the extent that the member-generator controls the Renewable Energy Resources and meets the requirements and accepts all the obligations of this Rider, the member-generator is not required to own the generating facilities.
- m. A member who uses the operation of a renewable generator in connection with irrigation pumps shall not have more than 10 irrigation pumps connected to renewable generators be attached or connected to the Cooperative's system.
- n. Service under this Rider is subject to the Cooperative's Tariff as adopted by the Board of Trustees and any subsequently approved modifications that may be adopted by said Board during the term of service.