

**DEFINITIONS.**

- a. **MEMBER-GENERATOR.** The owner or operator of a qualified electric energy generation unit which:
  - i. Is powered by a Renewable Energy Resource as defined by Kansas state statutes (see definition below).
  - ii. Is located on a premises owned, operated, leased, or otherwise controlled by the Member-generator.
  - iii. Is interconnected and operated in parallel phase and synchronization with the Cooperative and is in compliance with cooperative standards.
  - iv. Is intended primarily to offset part or all the Member-generator's own electrical energy requirements.
  - v. 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
  - vi. Contains a mechanism that automatically disables the unit and interrupts the flow of electricity back onto the supplier's electricity lines if service to the Member-generator is interrupted.
- b. **GENERATING CAPACITY.** The nameplate maximum output of the renewable energy generation source.
- c. **NET CONSUMPTION.** The kWh supplied by the Cooperative to the Member-generator minus kWh supplied by the Member-generator and returned to the Cooperative's grid during the billing period.
- d. **NET METERING.** A dual or bi-directional metering process using equipment sufficient to measure the difference between the electrical energy supplied to a member-generator by a retail electric supplier and the electrical energy supplied by the Member-generator to the retail electric supplier over an applicable billing period.
- e. **PEAK LOAD.** The one-hour maximum annual demand imposed by the Cooperatives retail load.
- f. **RENEWABLE ENERGY RESOURCES.** Electrical energy produced from an energy resource or technologies defined as renewable in K.S.A. 66-1257, and amendments thereto.

**LIMITED AVAILABILITY.** Net metering service is available under this rider at points on the Cooperative's existing electric distribution system, located within its service area, for Members operating a renewable energy resource. The net metering service is available to Member-generators on a first-come, first-served basis until the total rated generating capacity of all net metered systems equals or exceeds one percent (1%) of the Cooperative's peak load for the previous calendar year. Upon reaching this limit, no further net metering service shall be available for that calendar year. This rider shall not be available for any electric service schedule allowing for resale. A Member-generator shall have the alternative option of interconnecting renewable generation under the parallel generation provisions of the Cooperative's rules and regulations. However, renewable Member-generators may not change between the net metering and parallel generation rider without the prior approval of the Cooperative, and such elections shall not be for periods less than one-year.

**APPLICABILITY.** This net-metering rider is applicable to Member-generators with a Cooperative-approved interconnection agreement. Each meter connected under this Net Metering Rider defines a member-generator. 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 Net Metering Rider, the Member generator is not required to own the generating facilities.

- a. For member-generators that began operating a renewable energy resource under an interconnection agreement prior to July 1, 2014:
  - i. Residential member-generators to generate electricity subject to net metering up to 25 kilowatts; and
  - ii. Commercial, industrial, school, local government, state government, federal government, agricultural and institutional member-generators to generate electricity subject to net metering up to 200 kilowatts.
- b. For member-generators that begin operating a renewable energy resource under an interconnect agreement with the utility after July 1, 2014:
  - iii. All residential member-generators to generate electricity subject to net metering up to 15 kilowatts;
  - iv. Commercial, industrial, religious institution, local government, state government, federal government, agricultural and industrial member-generators to generate electricity subject to net metering up to 100 kilowatts, unless otherwise agreed to by the utility and the member-generator; and
  - v. School member-generators to generate electricity subject to net metering up to 150 kilowatts. For the purpose of this section, "school" means any postsecondary educational institution as defined in K.S.A. 74-3201b, and amendments thereto, or any public or private school which provides instruction for students enrolled in grade kindergarten or grades one through 12.

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 net consumption at approximately 30-day intervals during the Cooperative's normal billing interval. Any net consumption shall be valued as follows:

- a. To the extent the net consumption is positive (i.e., member-generator took more kWh from the Cooperative during the billing period than member-generator produced), the eligible member-generator will be billed in accordance with the Cooperative's standard rate for Energy Charges and Energy Cost Adjustments (for the net consumption), and for any Member Charges, Demand Charges, and/or any Minimum Charges that would otherwise be applicable to the Member under the standard rate.
- b. To the extent the net consumption is negative (i.e., member-generator produced more kWh during the billing period than the Cooperative supplied), the member-generator will pay applicable Member Charges, Demand Charges, or both, depending upon the Cooperative's standard rate applicable to the Member; and the excess electric energy shall be retained by the Cooperative as a contribution to fixed costs associated with owning and maintaining the facilities required to provide electric service when the Member-generator cannot meet its own supply needs.
- c. To the extent the net consumption is zero (i.e., the member-generator produced the same kWh during the billing period as was supplied by the Cooperative), the member-generator will be billed in accordance with the Cooperative's otherwise applicable standard rate for the eligible member-generator, including any applicable Member Charges, Demand Charges and/or Minimum Charges.

TERMS AND CONDITIONS:

- a. The Cooperative will supply, own, and maintain at its expense all necessary meters and associated equipment utilized for billing. In addition, and for 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 Cooperative, a suitable location for meters and associated equipment used for billing and for load research. Such equipment shall be always

- accessible to utility personnel. The member-generator shall reimburse the Cooperative for the cost of any additional distribution facilities necessary to accommodate the member-generators facility.
- b. The member shall furnish, install, operate, and maintain in good order and repair without cost to the Cooperative such relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and other control and protective devices 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.
  - c. 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.
  - d. The member may be required to reimburse the Cooperative for any equipment, facilities, protective equipment, or upgrades required solely because of the installation by the member of generation in parallel with the Cooperative's system.
  - e. 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 said test.
  - f. If harmonics, voltage fluctuations, or other disruptive problems on the utility's system are directly attributable to the operation of the member's system, such problem(s) shall be corrected at the member's expense.
  - g. No member's generating system shall damage the Cooperative's system or equipment or present an undue hazard to Cooperative personnel. The Cooperative shall not be liable directly or indirectly for permitting or continuing to allow an attachment of a net metered 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 members electrical generation facility and to indemnify the Cooperative against all liability and expense related thereto.
  - h. Prior to installing and interconnecting a Renewable Energy Resource the member shall enter a standard interconnection contract with the Cooperative setting forth the conditions related to technical and safety aspects of parallel generation.
  - i. Service under this Net Metering Rider is subject to the Cooperative's Rules and Regulations as adopted by the Board of Trustees and any subsequently approved modifications that may be adopted by said Board during the term of service.
  - j. Applications by a member-generator for interconnection of the qualified generation unit to the distribution system shall be accompanied by the plan for the member-generator's electrical generating system, including, but not limited to, a wiring diagram and specifications for the generating unit, and shall be reviewed and responded to by the Cooperative within ninety (90) days after receipt for all other systems. Prior to the interconnection of the qualified generation unit to the supplier's system, the member-generator shall furnish the Cooperative a certification from a qualified professional electrician or engineer that the installation meets the requirements above. If the application for interconnection is approved by the Cooperative and the member-generator does not complete the interconnection within one year after receipt of notice of the approval, the approval shall expire, and the member-generator shall be responsible for filing a new application. Upon the change in ownership of a qualified Renewable Energy Resource, the new member-generator shall be responsible for filing a new application under this section.
  - k. Ownership of all renewable energy credits, greenhouse gas emission credits and any other renewable energy attributes related to any electricity produced by the eligible renewable energy resource shall be retained by the member-generator.