

4 RIVERS ELECTRIC COOPERATIVE, INC.

Schedule	RIDER-01 (NMR)
Replacing Schedule	RIDER-01 (NMR)
Which was Effective	5/1/2022

ENTIRE SERVICE TERRITORY

The Cooperative’s Bylaws, Rules and Regulations are supplemental to this tariff and are incorporated herein.

NET METERING RIDER

DEFINITIONS:

Appropriate Size:

The Customer-generator's generation unit shall be sized so that the sum of the maximum AC output capacity shall not exceed an amount as calculated with the following formula:

Divide the Customer-generator's historic electric consumption in kilowatt-hours for the previous 12-month period by 8,760 (hours/year); and divide the quotient by a capacity factor of 22.9167% (5.5 hours per day of average production/24 hours in a day) for a solar energy resource or 25% for a wind energy resource. If the Cooperative does not have adequate historic electric consumption data for the customer, the historic consumption shall be 7.15 kilowatt-hours per square foot of above-grade conditioned space.

The capacity factor for an energy resource other than solar or wind shall be a generally accepted industry standard capacity factor, as determined by the Cooperative, for the specific energy resource being utilized.

Customer-generator:

The member who owns or operates a qualified electric energy generation unit (generation unit) which:

1. Is powered by a Renewable Energy Resource as defined below;
2. Is located on a premises owned, operated, leased, or otherwise controlled by the Customer-generator;
3. Is interconnected and operates in parallel phase and synchronization with the Cooperative’s system;
4. Is intended primarily to offset part of the Customer-generator's own electrical energy requirements;
5. Meets all applicable rules, regulations, statutes and other laws and 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 or any jurisdictional governing authorities;
6. Contains a mechanism that automatically disables the generation unit and interrupts the flow of electricity onto the Cooperative’s electric lines in the event that service to the Customer-generator is interrupted; and
7. Is not connected to a battery energy storage system. The appropriate Parallel Generation Rider shall apply to members with battery energy storage systems.

A generation unit owned or operated by a Customer-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 Customer-generator controls the generation unit and meets the requirements and accepts all of the obligations of this Net Metering Rider, the Customer-generator is not required to own the generating facilities.

Delivered Electric Energy

Electric energy supplied by the Cooperative through a Customer-generator’s billing meter.

Excess (Received) Electric Energy:

Electric energy produced by the generation unit in excess of the instantaneous consumption requirements of the Customer-generator and received by the Cooperative.

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Net metering:

A bi-directional metering process using equipment sufficient to measure the difference between the electrical energy delivered to a Customer-generator by the Cooperative and the electrical energy supplied by the Customer-generator and received by the Cooperative over an applicable billing period.

Operational Date of the Customer-generator's System: The date at which the Cooperative has given Customer-generator permission to operate the Customer-generator at the approved maximum AC output capacity.

Renewable Energy Resources:

Electrical energy produced from an energy resource or technologies defined as renewable in K.S.A. 17-4652, and amendments thereto, or energy produced from municipal or other solid waste or animal waste.

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 Customers operating a generation unit powered by a Renewable Energy Resource. The net metering service is available to Customer-generators on a first-come, first-served basis until the total AC output capacity of all net metering interconnections during a calendar year equals or exceeds one (1) percent of the Cooperative's peak retail load in the state for the previous calendar year; or until the total AC output capacity of net metering interconnections equals the lesser of five (5) percent of the Cooperative's peak retail load in the state during the previous year or five (5) percent of the rolling five (5) year average of the Cooperative's peak retail load. Upon reaching either of these limits, no further service shall be available under this rider. The Cooperative may limit the number and size of generation units to be connected to the Cooperative's system due to the capacity of the associated facilities, including, but not limited to the circuit, feeder line, distribution line or substation to which such generation unit is directly or indirectly connected. This rider shall not be available for any electric service schedule allowing for resale. A Customer-generator shall have the option of interconnecting a generation unit under the appropriate Parallel Generation Rider. However, renewable Customer-generators may not change between the Net Metering Rider and Parallel Generation Rider without the prior approval of the Cooperative, and such elections shall not be for periods less than one-year.

The Customer-generator's election to take service under this Net Metering Rider serves as a voluntary waiver to rights under the Cooperative's Parallel Generation Rider and/or K.S.A. 66-1,184 for the entire time Customer-generator elects to take service under the Cooperative's Net Metering Rider.

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APPLICABILITY:

This net metering rider is applicable to Customer-generators with a Cooperative-approved interconnection agreement. This schedule is applicable to Customer-generators where the capacity of the generation unit is appropriately sized to the Customer-generator's load based on their historical consumption. In determining the Customer's energy use, the Cooperative will not consider loads that are speculative or which the Customer plans to add at a future date.

Regardless of appropriate sizing, this net metering rider is not applicable where the maximum AC output capacity exceeds 15 kilowatts for residential customers or 100 kilowatts for commercial, industrial, school, religious institution, local government, state government, federal government and agricultural customers.

CHARACTER OF SERVICE:

Alternating current, 60 hertz, at the voltage and phase of the Cooperative's established secondary distribution system immediately adjacent to the service location.

BILLING AND PAYMENT:

The Cooperative shall render a bill for net energy consumption at approximately 30-day intervals during the Cooperative's normal billing period. Net energy consumption is defined as the electric energy delivered by the Cooperative to the Customer-generator minus excess electric energy received by the Cooperative during the billing period. Any net energy consumption shall be valued as follows:

To the extent the net energy consumption is positive (i.e. Cooperative delivered more electric energy to the Customer-generator during the billing period than Cooperative received from the Customer-generator as excess electric energy), the Customer-generator will be billed in accordance with the Cooperative's standard rate for Energy Charges (for the net energy consumption), plus any Customer Charges, Demand Charges, Minimum Charges, Adjustments, Surcharges or other charges that would otherwise be applicable to the Customer-generator under the standard rate.

To the extent the net energy consumption is negative or zero (i.e. Cooperative received more, or the same amount of, excess electric energy during the billing period than the Cooperative delivered), the Customer-generator will be billed in accordance with the Cooperative's standard rate for Customer Charges, Demand Charges, Minimum Charges, Adjustments, Surcharges or other charges that would otherwise be applicable to the Customer-generator under the standard rate; and any negative net energy consumption 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 Customer-generator cannot meet its own consumption needs.

TERMS AND CONDITIONS:

1. Metering. The Cooperative will supply, own and maintain at its expense all necessary meters and associated equipment utilized for billing, but may charge the Customer-generator for the cost of any additional metering necessary to accommodate the Customer-generator's facility. The Customer-generator shall supply, at no expense to the Cooperative, a suitable location for meters and associated equipment. Such equipment shall be accessible at all times to utility personnel.

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11. Insurance. The Customer-generator shall, at its own expense, maintain in force general liability insurance without any exclusion for liabilities related to the interconnection. The amount of such insurance shall be sufficient to insure against all reasonably foreseeable direct liabilities given the size and nature of the generation unit being interconnected, the interconnection itself and the characteristics of the generation unit to which the interconnection is made. For a generation unit having a maximum nameplate generating capacity of 10 kilowatts or less, a Customer-generator whose generation unit meets the standards specified in Definition 5, above, in the Customer-generator definition above shall not be required to install additional controls, perform or pay for additional tests or distribution equipment or purchase additional liability insurance other than such general liability insurance. For a generation unit having a maximum nameplate generating capacity of greater than 10 kilowatts, the Board of Trustees shall: (1) set forth safety, performance and reliability standards and insurance requirements; and (2) establish the qualifications for exemption from a requirement to install additional controls, perform or pay for additional tests or distribution equipment or purchase additional liability insurance.
12. Application for Interconnection. Applications by a Customer-generator for interconnection of the generation unit to the distribution system shall be accompanied by the plan for the Customer-generator’s generation unit, including, but not limited to, a wiring diagram and specifications for the generation unit showing the configuration of all equipment, current and potential circuits, and protection and control schemes. Any diagrams or drawings shall use industry standard symbols. If the maximum AC output capacity of the generation unit exceeds 50 kW, the one-line diagram must be signed and stamped by a licensed Professional Engineer. Applications shall be reviewed and responded to by the Cooperative within 30 days after receipt for systems of 10 kilowatts or less and within 90 days after receipt for all other systems. Prior to the interconnection of the generation unit to the supplier’s system, the Customer-generator shall furnish the Cooperative a certification from a qualified professional electrician or engineer that the installation meets the requirements of Definition 5, above, in the Customer-generator definition. If the application for interconnection is approved by the Cooperative and the Customer-generator does not complete the interconnection within one year after receipt of notice of the approval, the approval shall expire and the Customer-generator shall be responsible for filing a new application. Before an approved generation unit is modified or changed, the Customer-generator shall submit a new Application under this section. Upon the change in ownership of a generation unit, the new Customer-generator shall be responsible for filing a new application under this section.
13. Renewable Energy Credits or Attributes. Ownership of all renewable energy credits, greenhouse gas emission credits and any other renewable energy attributes related to any electric energy produced by an eligible generation unit shall be retained by the Customer-generator.

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