

TARIFF
FOR
ELECTRIC SERVICE

Applicable in
Territory as shown on
Sheet No. 3 of this Tariff

SUSSEX RURAL ELECTRIC COOPERATIVE
64 Route 639
Sussex, New Jersey 07461

January 1, 2024

STANDARD TERMS AND CONDITIONS

16 - General Interconnection Requirements

- 16.01 The following requirements and standards for connection of generating facilities located on Member's premises to the Cooperative system shall be met to assure the integrity and safe operation of the Cooperative system with no deterioration to the quality and reliability of service to other Members. The operation of the generation facility should be done in a competent manner, such that the Cooperative system as a whole is protected.
- 16.02 All small power producers (including renewable energy systems) or cogenerators shall make application to the Cooperative for approval to interconnect their facilities with the Cooperative system.
- 16.03 The Cooperative shall require the following as part of the application, properly completed, signed and attested as necessary:
- (a) Application for service.
 - (b) Application fee as determined from the current applicable tariff.
 - (c) Interconnection Power Purchase Agreement.
 - (d) SREC AEC Schedule A.
 - (e) Renewable Energy Assistance Program Member Section.
 - (f) One line drawing of the system and its interconnection design.

Additional requirements for application may include:

- (g) Completion of a system impact engineering study by an engineering firm of the Cooperative's choosing, cost to be borne by the Member.
 - (h) Evidence of insurance satisfactory to the Cooperative.
 - (i) An agreement to indemnify and hold harmless the Cooperative from any and all liability or claim thereof for damage to property, including property of the Cooperative and injury or death to persons resulting from or caused by the presence, operation, maintenance or removal of such installation.
- 16.04 The Cooperative shall within 30 days from the receipt of all required data from the Applicant either approve or reject in writing the application for connection to the Cooperative system. Rejection of an application shall state with specificity the reasons for such rejection. Connection to the Cooperative system will be permitted only upon obtaining the formal approval of the Cooperative in the form of an approval to operate letter.

Date Issued: September 22, 2012

Effective: October 1, 2012

Issued By: Jack S. Haggerty, Jr., Chairman
Sussex Rural Electric Cooperative
64 County Route 639
Sussex, NJ 07461

STANDARD TERMS AND CONDITIONS

- 16.05 The installation of the generation facilities must be in compliance with the requirements of the National Electrical Code and all applicable local, State and federal codes or regulations. The installation shall be undertaken and completed in a workmanlike manner, and shall meet or exceed industry acceptance standards of good practice. The provisions of the National Electrical Safety Code and the standards of the Institute of Electrical and Electronics Engineers, National Electrical Manufacturers Association and the American National Standards Institute shall be observed to the extent that they are applicable. Prior to connection, the Cooperative must be provided with evidence that electrical inspection by an authorized inspection agency has been completed.
- 16.06 The generation facility shall have the following characteristics:
- (a) Interconnection voltage shall be compatible and consistent with the system to which the Cooperative determines the generation facility is to be connected.
 - (b) The generation facility shall produce 60 Hertz sinusoidal output compatible with the Cooperative system to which the facility is to be connected.
 - (c) The generation facility must provide and maintain automatic synchronization with the Cooperative system to which it is to be connected.
 - (d) The break point between the generation facilities producing single-phase or three-phase output shall be in accordance with existing Cooperative motor specifications or as otherwise specified by the Cooperative.
 - (e) At no time shall the operation of the facility result in excessive harmonic distortion of the Cooperative wave form. Total harmonic distortion greater than 5% shall be deemed excessive and shall result in disconnection of the facility from the Cooperative system.
 - (f) The installation of power factor correction (“PFC”) capacitors at the facility may be required under conditions to be determined by the Cooperative when necessary to assure the quality and reliability of service to other Members. The cost of PFC capacitors shall be borne by the Member.
 - (g) The cost of supplying and installing 15-minute integrated generation output metering, and any other special facilities or devices occasioned by the generation facility which the Cooperative may deem necessary on its system, such as telemetry and control equipment, shall be borne by the Member.
 - (h) All upgrades required of the Cooperative’s system to which the generator will be interconnected as determined by the system impact study (Section 3.g) will be borne by the Member. The Cooperative will provide a good faith estimate of said costs to assist with planning but the Member will bear the actual cost.

Date Issued: September 22, 2012

Effective: October 1, 2012

Issued By: Jack S. Haggerty, Jr., Chairman
Sussex Rural Electric Cooperative
64 County Route 639
Sussex, NJ 07461

STANDARD TERMS AND CONDITIONS

16.07 The Member shall provide automatic disconnecting devices with appropriate control devices which will isolate the facility from the Cooperative system within a time period specified by the Cooperative for, but not necessarily limited to, the following conditions:

- (a) A fault on the Member's equipment.
- (b) A fault on the Cooperative system.
- (c) A de-energized Cooperative line to which the Member is connected.
- (d) An abnormal operating voltage or frequency.
- (e) Failure of automatic synchronization with the Cooperative system.
- (f) Loss of a phase or improper phase sequence.
- (g) Total harmonic content in excess of 5%.
- (h) Abnormal power factor.

The devices shall be so designed and constructed to prevent reconnection of the facility to the Cooperative system until the cause of disconnection is corrected.

16.08 The Cooperative shall reserve the right to specify settings of all isolation devices which are part of the generation facility.

16.09 The Cooperative shall require initial inspection and testing and may, at its discretion, require subsequent inspection and testing of the facility's isolation and fault protection systems at the Member's expense. Maintenance of these systems must be performed and documented by the Member at specified intervals to the satisfaction of the Cooperative. The Cooperative shall reserve the right to disconnect the Member and/or the generation equipment from the Cooperative system for failure to comply with these inspections, testing and maintenance requirements.

16.10 The Member is solely responsible for providing adequate protection for the equipment located on the Member's side of the interconnection system. This protection shall include, but not be limited to, negative phase sequence voltage on three-phase systems.

16.11 The Member shall provide a Cooperative-controlled disconnecting device providing a visible break on the Cooperative side of the interconnection system. The Cooperative shall require that this device accept a Cooperative-provided padlock. The Cooperative may also require manual operation of the device when required. The Cooperative shall require this device to be labeled "Cogeneration Disconnection Switch" and be located such that 24-hour access is possible.

Date Issued: September 22, 2012

Effective: October 1, 2012

Issued By: Jack S. Haggerty, Jr., Chairman
Sussex Rural Electric Cooperative
64 County Route 639
Sussex, NJ 07461

STANDARD TERMS AND CONDITIONS

- 16.12 The Member shall agree to grant access to the Cooperative's authorized representative during any reasonable hours to install, inspect and maintain the Cooperative's metering equipment.
- 16.13 The Member must satisfy, and shall be subject to, all terms and conditions of the Cooperative's Tariff for Service.
- 16.14 No wind generator, tower structure or device shall be installed at a location where, in the event of failure, it can fall in such a manner as to contact, land upon, or interfere with any Cooperative lines or equipment.
- 16.15 The Member shall maintain or cause to be maintained the generator and its associated structures, wiring and devices in a safe and proper operating condition so that the installation continues to meet all the requirements contained herein.
- 16.16 The Cooperative reserves the right to modify or replace the Member's service meter to prevent reverse registration from the Member's generation facility.

Date Issued: September 22, 2012

Effective: October 1, 2012

Issued By: Jack S. Haggerty, Jr., Chairman
Sussex Rural Electric Cooperative
64 County Route 639
Sussex, NJ 07461

GENERAL SERVICE
SCHEDULE NET METERING SERVICE
(Rate Codes 105 and 109)

AVAILABILITY

Available only to approved renewable energy system members who have completed all necessary applications, agreements and paperwork, passed the necessary engineering reviews and passed the safety test. The rate shall be limited by the availability of appropriate meters and further limited by the percentage of the Cooperative's load served by renewable energy systems and/or impact on the Cooperative's members not utilizing this rate.

This rate is not available for unoccupied properties. Seasonal use properties may have the maximum size of the system limited by a calculation of an occupied load (see system sizing). The renewable energy system shall be sized so that it does not generate more energy than is used by the member on an annualized basis.

TYPE OF SERVICE

Single phase, 60 cycles, at available secondary voltages.

APPLICATION FEES

Members wishing to use this rate shall pay the applicable fees and costs as specified below.

Application Fee	
1 - <20 kW	\$100.00
20 - <100 kW	\$250.00

SYSTEM SIZING

All systems shall be sized according to the consumption history of the property being served. This consumption shall be determined by an analysis of the property's consumption using data from our metering system. For occupied properties, we will look at the most recent twelve (12) months of history to determine a maximum consumption. For seasonal properties, we will look at history within the past twelve (12) months when the property was in use and weight it to more accurately reflect use. For new construction, the member must complete a System Requirements Summary, to be verified by the Cooperative that will determine maximum system sizing.

No system will be allowed to interconnect that exceeds the maximum allowable size as determined by the foregoing methods. No system will be allowed to interconnect that is part of an unoccupied property, even if that property is under construction or renovation.

MONTHLY RATE (All charges include Sales and Use Tax as provided in Rider SUT)

System Connection Fee	@	\$ 41.58	per month
Energy Charge	@	\$ 0.1082868	per kWh
Power Cost Adjustment (PCA)		Rider PCA	

Date Issued: **December 19, 2023**

Effective: **January 1, 2024**

Issued by: Jack Haggerty, Jr. Chairman
Sussex Rural Electric Cooperative
64 County Road 639
Sussex, NJ 07461



Facilities interconnected under this schedule are eligible for net metering. The Cooperative will install a meter capable of net metering. Each month, meter data will be used to compare consumption against production. Each kilowatt hour of energy produced will be credited with the full retail rate applicable for the class of service. In months where production exceeds consumption, the excess will be recorded in a bank. In months where consumption exceeds production, the excess consumption will be offset by the bank, if any. When consumption exceeds production plus excess bank, this excess consumption will be billed at the full retail rate applicable for the class of service.

At the end of twelve (12) months, any excess energy in the bank will be purchased by the Cooperative's power supplier at their marginal avoided cost, as determined by the power supplier, if the member has executed an agreement with the power supplier.

MINIMUM BILL

The minimum monthly charge shall under this schedule is **\$41.58**.

INTERCONNECTION REQUIREMENTS

All systems must comply with the current interconnection policies and processes of the Cooperative. Systems that have not completed the process or followed the policies will not be allowed to interconnect until they have complied with all the current requirements.

ENGINEERING IMPACT STUDY

For renewable energy systems larger than 100 kW, the Cooperative may require an independent engineering assessment of the impact on the Cooperative's facilities. This study is used to determine upgrades and enhancements that will be required on the Cooperative's facilities as a result of the interconnection of the renewable energy system. The Cooperative will provide the member with a cost for this study. Payment for the study is required in advance and is necessary for the study to begin.

CONTRIBUTION IN AID TO CONSTRUCTION

Members wishing to use this rate will receive our standard service connection which consists of one (1) span of overhead service and a service drop to the member's point of service. All additional costs associated with delivery of service to the member shall be at current costs to the Cooperative. Any changes made to the Cooperative's facilities made necessary to accommodate the member's interconnection shall be the responsibility of the member. All costs are payable before any construction involving the Cooperative's facilities begins.


LOAD CONTROL

Load management credits are not available to members being served under this schedule.

Date Issued: **December 19, 2023**

Effective: **January 1, 2024**

Issued by: Jack Haggerty, Jr. Chairman
Sussex Rural Electric Cooperative
64 County Road 639
Sussex, NJ 07461



**Rider PCA
Power Cost Adjustment**

POWER COST ADJUSTMENT

The Cooperative reserves the right to implement a Power Cost Adjustment to settle wholesale energy collections from members. The PCA is applicable to all metered kilowatt hours of energy billed under the Cooperative's electric service schedules. The PCA is applied by crediting or debiting the member's monthly bill to recover or refund the difference between estimated and actual wholesale power costs.

Power Cost Adjustment (PCA) @ 0.000000 per kWh.

Date Issued: December 19, 2023

Effective: January 1, 2024

Issued by: Jack Haggerty, Jr., Chairman
Sussex Rural Electric Cooperative
64 County Road 639
Sussex, New Jersey 07461

