

Docket: EC-52 Sub 41  
Effective Date: April 1, 2017  
Supersedes: All other Filings

SOUTH RIVER ELECTRIC MEMBERSHIP CORPORATION  
DUNN, NORTH CAROLINA

RIDER NM  
Net Metering Rider

AVAILABILITY

This Rider is available in conjunction with any of the Cooperative's rate schedules where consumer-owned Renewable Generation is connected on the consumer-side of the meter, in parallel with the Cooperative's electric system, and is designed to offset a portion or all of the consumer's electrical requirements normally supplied by the Cooperative. The nameplate rating of the Renewable Generation must be the lesser of: (1) the consumer's estimated maximum 15-minute integrated demand, (2) the consumer's Contract Demand, or (3) 100 kW. Renewable Generators' connected in parallel with the Cooperative's facilities must have safety, system protection, and power quality equipment installed and operated in accordance with rules of the Cooperative. Consumers receiving service under this Rider agree to assign the Renewable Energy Certificates (RECs) and all environmental attributes associated with the Renewable Generation to the Cooperative.

Service under this Rider shall be available in all territory served by the Cooperative only under written contract and shall be subject to the Cooperative's established Service Rules and Regulations as filed with the North Carolina Utilities Commission.

The provisions of the Schedule with which this Rider is used are modified only as shown herein.

CHARACTER OF SERVICE

The type of service available under this Rider is single-phase, three wire, 60 Hz alternating current, at the Cooperative's standard secondary voltage of 120/240 volts.

MONTHLY RATE

Facilities Charge:

\$5.00 per month, plus the Facilities Charge applicable to the rate schedule under which the consumer purchases energy from the Cooperative. The Facilities Charges are due monthly regardless of whether the consumer is net seller or purchaser of energy to or from the Cooperative.

Energy Charge:

Consumers generating power from a renewable resource as defined in this Rider shall be billed on a net energy basis. Energy Charges (or Credits) shall be based on the net kilowatt hours purchased from or delivered to the Company for the month the bill is rendered times the energy charge specified in the rate schedule under which the consumer purchases energy. Any excess energy produced must be used at the same location and cannot be cashed out.

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Service Availability Charge:

For consumer-owned renewable generators rated in excess of 25 kW, the consumer shall pay a monthly Service Availability Charge of \$1.75 per kW times the nameplate rating of the renewable generator.

SAFETY, INTERCONNECTION, AND INSPECTION REQUIREMENTS

This Rider is only applicable for renewable generation that complies with the Cooperative's interconnection requirements, along with any IEEE, NESC, and NEC standards related to interconnecting to public utilities. In order to ensure protection of the Company's system, the Company reserves the right, at its discretion, to inspect the consumer's renewable generation at any time upon reasonable notice to the consumer in an effort to ensure compliance with the Interconnection Standards. The Cooperative reserves the right to disconnect electric service to any premises if the Cooperative determines that a renewable generator operating in parallel with the Cooperative's system is not complying with the Cooperative's Interconnection Standards.

Prior to connecting to the Cooperative's system, the consumer must enter into a specific contract providing for interconnection to the Cooperative's system. Under the terms of the contract, the consumer shall be responsible for providing suitable control and protective devices on its equipment to assure the generators does not cause any disturbance to other consumers of the Cooperative, or to the Cooperative itself. It shall also contain provisions to protect the consumer's facilities and the Cooperative's facilities from all loss or damage that could result from operation in parallel with the Cooperative's system.

The consumer shall be responsible for any costs incurred by the Cooperative pursuant to the Interconnection Standard. The Cooperative reserves the right to require additional interconnection facilities, furnished, installed, owned and maintained by the Company, at the consumer's expense, if the consumer's renewable generation, despite compliance with the Interconnection Standard, causes safety, reliability or power quality problems.

The consumer shall obtain and retain, for as long as the consumer's renewable generation is interconnected with the Cooperative's system, comprehensive general liability insurance that protects the consumer from claims for bodily injury and/or property damage. This insurance shall be primary for all purposes and have at least the minimal coverage limits required by the Cooperative. The consumer shall provide certificates evidencing this coverage as required by the Company. The Company reserves the right to refuse to establish, or continue the interconnection of the consumer's renewable generation with the Cooperative's system, if such insurance is not in effect.



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METERING REQUIREMENTS

The Cooperative will furnish, install, own, and maintain metering to measure the kilowatt-hours delivered by the Cooperative to the consumer, and if applicable, the kilowatt demand. The Cooperative will also furnish, install, own, and maintain additional metering equipment to measure the kilowatt-hours delivered from the consumer to the Cooperative. The consumer's service may be metered with: (a) a single, bi-directional meter, which records independently the flow of electricity in each direction through the meter; or (b) at the Cooperative's option, two meters, equipped to prevent reverse registration, one that will measure the energy delivered by the Cooperative to the consumer, and the other that will measure the energy delivered by the consumer to the Cooperative. The Cooperative shall have the right to install special metering and load research devices on the consumer's equipment and the right to use the consumer's telephone line for communication with the Cooperative's and the consumer's equipment.

DEFINITIONS

Renewable Generation – For purposes of this Rider, Renewable Generation shall be defined as environmentally friendly technologies – such as photovoltaic (PV), fuel cells, micro-turbines, biomass-fueled, or small wind turbines – that are installed on and designed primarily to serve a single-user's site.

Excess Facilities – Excess Facilities are defined as those facilities that are in addition to those necessary for delivery of service at one point, through one meter, at one voltage, in accordance with the normally applicable rate schedule that the Cooperative must furnish, install, own, and maintain, in order to serve the Renewable Generation.

CONTRACT PERIOD

Each consumer shall enter into a contract for a minimum original term of one (1) year and thereafter either party may terminate the contract by giving at least sixty- (60) days notice of such termination in writing. The Cooperative reserves the right to offer a contract for a longer original term of years as specified in the individual contract with the consumer. The Cooperative further reserves the right to terminate the consumer's contract under this Rider at any time upon written notice to the consumer in the event that the consumer violates any of the terms or conditions of this Rider, or operates the renewable generation system in a manner that is detrimental to the Cooperative or any of its consumers. In the event of early termination of a contract under this Rider, the consumer will be required to pay the Cooperative for the costs due to such early cancellation.

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## Attachment 6

### Interconnection Request, Certificate of Completion, and Terms and Conditions for Certified Inverter-Based Generating Facilities No Larger than 20 kW

This Interconnection Request Application Form is considered complete when it provides all applicable and correct information required below. Additional information to evaluate the Interconnection Request may be required.

#### Processing Fee

A non-refundable processing fee of \$100 must accompany this Interconnection Request Application Form.

If the Interconnection Request is submitted solely due to a transfer of ownership of the Generating Facility, the fee is \$50.

#### Interconnection Customer

Name: Tiffany Nitro Tesla

Contact Person: Christina McClain

E-Mail Address: tiffany.tesla@gmail.com

Address: 16 Jack Harris Lane

City: Spring Lake State: NC Zip: 28390

County: Harnett

Telephone (Day): 520-235-2816 (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_

#### Contact (if different from Interconnection Customer)

Name: Christina McClain

E-Mail Address: ops@renuenergysolutions.com

Address: 801 Pressley Rd #100

City: Charlotte State: NC Zip: 28217

Telephone (Day): 704-525-6767 (Evening): \_\_\_\_\_

Fax: 704-910-1403

Owner(s) of the Generating Facility: Tiffany Tesla

**Generating Facility Information**

Facility Location (if different from above):

Address: 16 Jack Harris Lane

City: Spring Lake State: NC Zip: 28390

County: Harnett

Cooperative: SREMC

Account Number: 305370

Inverter Manufacturer: SolarEdge Model SE7600H-US

Nameplate Rating: 7.6 kW-AC (kW) 7.6 (kVA) 240 (AC Volts)

System Design Capacity: 8.64 kW-DC (kW) 8.64 (kVA)

Single Phase X Three Phase \_\_\_\_\_

Prime Mover: Photovoltaic Reciprocating Engine Fuel Cell  
Turbine Other \_\_\_\_\_

Energy Source: Solar Wind Hydro Diesel Natural Gas  
Fuel Oil Other (describe) \_\_\_\_\_

Is the equipment UL 1741 Listed? Yes X No \_\_\_\_\_

If Yes, attach manufacturer's cut-sheet showing UL 1741 listing

Estimated Installation Date: 12/2/19 Estimated In-Service Date: 12/16/19

The 20 kW Inverter Process is available only for inverter-based Generating Facilities no larger than 20 kW that meet the codes, standards, and certification requirements of Attachments 4 and 5 of these Interconnection Procedures, or the Cooperative has reviewed the design or tested the proposed Generating Facility and is satisfied that it is safe to operate.



List components of the Generating Facility equipment package that are currently certified:

Number	Equipment Type	Certifying Entity
1. <u>(x1)</u>	Inverter - SolarEdge (SE7600H-US)	UL1741 SA Certified, for CPUC Rule 21 grid compliance
2. <u>(x27)</u>	Solar Panels - LG Electronics (LG320N1K-A5)	IEC 61215, IEC 61730-1/-2 & UL 1703
3. <u>(x1)</u>	Battery backup - Tesla Powerwall 2	UL 1642, UL 1741, UL 1973, UL 9540, IEC 62109-1, IEC 62619
4. _____		
5. _____		

**Interconnection Customer Signature**

I hereby certify that, to the best of my knowledge, the information provided in this Interconnection Request Application Form is true. I agree to abide by the Terms and Conditions for Interconnecting a Certified Inverter-Based Generating Facility No Larger than 20 kW and return the Certificate of Completion when the Generating Facility has been installed.

Signed:  \_\_\_\_\_  
Tiffany T. [unclear] 13, 2019

Title: Ms. \_\_\_\_\_ Date: Nov 13, 2019 \_\_\_\_\_

**Contingent Approval to Interconnect the Generating Facility (For Cooperative use only)**

Interconnection of the Generating Facility is approved contingent upon the Terms and Conditions for Interconnecting a Certified Inverter-Based Generating Facility No Larger than 20 kW and return of the Certificate of Completion.

Cooperative Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

Interconnection Request ID number:

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Cooperative waives inspection/witness test? Yes \_\_\_\_\_ No

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# Tesla-Interconnect\_SREMC

Final Audit Report

2019-11-13

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