

FOR ENTIRE SERVICE AREA

Nolin RECC  
411 Ring Road  
Elizabethtown, KY 42701-6767

PSC KY NO. 10  
Original Sheet No. 53

CANCELING PSC KY NO.

CLASSIFICATION OF SERVICE

**RATES SCHEDULE NM – NET METERING**

APPLICABILITY

Net metering is available to customer-generators who own, operate and maintain electrical generating facilities using solar energy designed to operate in parallel with the existing Nolin RECC electrical distribution system and be primarily intended to offset part or all of the customer-generator's own electrical requirements.

AVAILABILITY OF NET METERING SERVICE

An eligible customer-generator must be a member of and take electrical service from Nolin RECC. Nolin RECC will make this service available to customer-generators on a first-come, first-served basis until the cumulative generating capacity of net metered systems reaches one tenth of one percent (0.1%) of the Cooperative's single hour peak load during the previous year.

SERVICE CONDITIONS (TYPE OF SERVICE)

- a. The generating facility shall comply with all of the following requirements:
- i. The generating facility must have a rated capacity of not more than fifteen (15) kilowatts.
  - ii. The generating facility must be owned and operated by the customer.
  - iii. The generating facility must be located on the customer's premises.
  - iv. The generating facility must be designed and installed to operate in parallel with Nolin RECC's electrical distribution system without adversely affecting the quality of service of other customers and without presenting safety hazards to Cooperative customers and Cooperative employees and agents, thereof.
- b. Prior to interconnection, the customer-generator shall complete the Application for Net Energy Metering, execute an Interconnection Agreement for Net Metering Service, enter into a Customer Net Energy Service Agreement, and pay any applicable fees, charges or costs as prescribed within this tariff prior to interconnection with the Nolin RECC distribution system.

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ISSUED BY Michael Z. Miller President & CEO  
NAME TITLE

By [Signature] 01-6767  
Executive Director

PURSUANT TO 807 KAR 5:011

SECTION 9 (1)

411 Ring Road

EXECUTIVE DIRECTOR

FOR ENTIRE SERVICE AREA

Nolin RECC  
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- c. Prior to interconnection, the customer-generator's electrical generating and interconnection equipment shall be installed in accordance with the manufacturer's specifications, shall have been tested by a nationally recognized testing laboratory as having met the testing requirements of IEEE Standard 1547, and shall meet all applicable safety and performance standards established in all applicable local and state building codes. Certification by a licensed electrician shall constitute acceptable proof that the customer-generator's electrical generating facility has been properly installed in accordance with above.
- d. The customer-generator is responsible for all equipment and installation costs associated with its electric generating facility and any modification costs to the facility that may be required by Nolin RECC for purposes of safety and reliability.
- e. When construction, modifications, or upgrades to the Nolin RECC distribution system are required to interconnect the customer-generator's electric generating facility, the customer-generator is responsible for all costs incurred by the Cooperative.
- f. The customer must provide and install a clearly labeled, Nolin RECC approved, lockable, visible-break, disconnect switch between the cooperative's distribution system and the customer-generator's electrical generating equipment. This disconnect switch must be accessible to the Cooperative at all times.
- g. Nolin RECC maintains the right to disconnect, without liability, the customer-generator for issues relating to safety and reliability.
- h. Nolin RECC maintains the right to verify proper installation and inspect the customer-generator's facilities to ensure continued safe operation of the electrical generating equipment and interconnection system at any time with reasonable advance notice to the customer-generator.
- i. Nolin RECC shall not be liable directly or indirectly for permitting or continuing to allow an attachment of a net metering facility, or for the acts or omissions of the customer-generator that cause loss or injury, including death, to any third party.

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NAME TITLE

PUBLIC SERVICE COMMISSION  
OF KENTUCKY  
EFFECTIVE  
4/1/2005  
PURSUANT TO 807 KAR 5:011  
411 Ring Road  
01-6767  
By [Signature]  
Executive Director



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**CLASSIFICATION OF SERVICE**

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**EQUIPMENT OPERATION**

The customer-generator's electrical generating and interconnection equipment shall comply with all applicable safety, performance, and power quality standards established by the Institute of Electrical and Electronic Engineers, the National Electrical Code, and the National Electrical Safety Code.

**METERING**

Net metered electricity shall be measured in accordance with standard metering practices established by Nolin RECC using metering equipment capable of measuring and recording energy flows, on a kWh basis, from the Cooperative to the customer-generator and from the customer-generator to the Cooperative, with each directional energy flow recorded independently. If time-of-day or time-of-use metering is used, the electricity fed back to the electric grid by the customer-generator shall be metered and accounted for at the specific time it is fed back to the electric grid in accordance with the time-of-day or time-of-use billing agreement currently in place. If the customer generator's existing electrical meter is not capable of registering the flow of electricity in two directions, the customer shall be responsible for all expenses involved in purchasing and installing a meter (or meters) that is able to register electricity flow in two directions. All metering shall be capable of working with any automatic meter reading systems used by Nolin RECC.

**BILLING AND PAYMENT**

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For charges collected on the basis of metered registration, Nolin RECC shall, for each monthly billing period, determine the net meter registration of the customer-generator by comparing the directional energy flow in each direction. If the net meter registration shows that the deliveries of energy in kWh from the customer-generator to the Cooperative exceed the deliveries of energy in kWh from the Cooperative to the customer-generator, the net meter registration in kWh will be carried forward to the next monthly billing period as a Net Metering Credit, expressed in kWh. If the customer-generator has carried over a Net Metering Credit from one or more prior months, the net meter registration from the current month shall be added to the Net Metering Credit that exists from prior months.

If the net metering registration shows that deliveries of energy in kWh from the Cooperative to the customer-generator exceed the deliveries of energy in kWh from the customer-generator to the Cooperative, the customer-generator shall pay the Cooperative for the net amount of energy delivered by the Cooperative after application of any Net Metering Credit.

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NAME TITLE

411 Ring Road

'01-6767

By [Signature]  
Executive Director

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carried forward from previous months at the rate applicable to its type or class of electric service.

The customer shall be responsible for payment of any applicable customer charge or other applicable charges.

At no time shall Nolin RECC be required to convert the Net Billing Credit to cash. If a customer-generator closes his account, no cash refund for residual Net Metering Credits shall be paid.

Net Metering Credits are not transferable between customers or locations.

LIABILITY INSURANCE

The customer-generator shall maintain general liability insurance coverage (through a homeowner's, commercial or other policy) against a loss arising from the use or operation of the customer-generator facilities with minimum limits of \$300,000 per occurrence/\$300,000 aggregate combined single limit for personal injury, bodily injury, including death and property damage. Prior to interconnection, the customer shall submit evidence of such insurance to Nolin RECC with the Application for Net Energy Metering. Nolin RECC's receipt of evidence of liability insurance does not imply an endorsement by the Cooperative of the terms and conditions of the coverage.

ADDITIONAL CONTROLS AND TESTS

Nolin RECC may install additional controls or meters, or conduct additional tests as it may deem necessary.

NET METERING SERVICE INTERCONNECTION REQUIREMENTS

All customer-generator equipment and installations must comply with the Nolin RECC's Technical Requirements for Interconnection, included as part of the Interconnection Agreement for Net Metering Service. The customer-generator's generating facility shall be designed and installed to operate in parallel with Nolin RECC's electric distribution system without adversely affecting the operation of equipment and service of the Cooperative and its customers and without presenting safety risks to Cooperative and customer personnel. The customer-generator will own and be responsible for operating the electrical generator and interconnection equipment. The customer-generator will be responsible for any damage done

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NAME TITLE By [Signature] Executive Director

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to the Cooperative's equipment due to a failure of the customer-generator's control, safety, or other equipment. The customer-generator will protect and save the Cooperative harmless from all claims for injury or damage to persons or property occurring on the customer-generator's premises, except where the said injury or damage can be shown to have been occasioned solely by negligence on the part of Nolin RECC.

### APPLICATION AND AGREEMENTS

A customer-generator seeking to interconnect an Eligible Electric Generating Facility to the Company's distribution system must submit to the Company the following documents:

- a. Application for Net Energy Metering, completed and executed, including a one-line diagram showing the configuration of the customer-generator's facility;
- b. Interconnection Agreement for Net Metering Service, executed prior to interconnection; and,
- c. Customer Net Energy Service Agreement, executed prior to interconnection.

The Company may reject an application for demonstrable reliability or safety issues; however, the Company will work with the customer to resolve those issues to the extent practicable.

### FEES AND CHARGES

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As specified in the Application for Net Energy Metering, the customer-generator must pay a non-refundable application fee of \$50. Should Nolin RECC determine that an interconnection impact study is required, the Cooperative will advise the customer of the cost of conducting the study. Upon payment by the customer for cost of the study, Nolin RECC will proceed with the interconnection impact study to determine if the installation of the customer's electric generating facility will have a significant impact on the Cooperative's distribution system or on the quality of service to other customers. Should construction or upgrades to East Kentucky Power Cooperative's (EKPC) transmission system or to Nolin RECC's distribution system be required in order to interconnect the customer's electric generating facility, additional charges to cover costs incurred by EKPC or Nolin RECC shall be determined by Nolin RECC and paid by the customer. The customer shall pay any additional charges, as determined by Nolin RECC, for equipment, labor, metering, testing, or inspections requested by the customer, or needed by the Cooperative to interconnect and receive power from the customer-generator's generating facility.

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NAME	Michael Z. Miller	411 Ring Road	701-6767
TITLE	President & CEO	By <i>[Signature]</i>	Executive Director

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RULES AND REGULATIONS

Service and rates under this schedule are subject to all applicable Nolin RECC Rules and Regulations as filed with the Public Service Commission of Kentucky. The Rules and Regulations address general terms and conditions, service conditions, new service procedures, and miscellaneous service charges, and are a part of all contracts for receiving electric service from the Cooperative, whether the service received is based upon a contract, agreement, signed application, or otherwise.

TRANSFERABILITY

A customer-generator generating facility is transferable to other persons or service locations only after notification to Nolin RECC has been made and verification that the installation is in compliance with this tariff.

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	NAME	TITLE	
		By	<u>[Signature]</u>
			Executive Director

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**NOLIN RURAL ELECTRIC COOPERATIVE CORPORATION**

Application for Net Energy Metering

This application should be completed as soon as possible and returned to the Cooperative Customer Service representative in order to begin processing the request.

*This application is used by the Cooperative to determine the required equipment configuration for the Customer interface. Every effort should be made to supply as much information as possible.*

OWNER/APPLICANT INFORMATION

Company: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_  
Code: \_\_\_\_\_  
Phone \_\_\_\_\_  
Number: \_\_\_\_\_ Representative: \_\_\_\_\_  
Electric Account Number: \_\_\_\_\_  
Service Location Address: \_\_\_\_\_

PROJECT DESIGN/ENGINEERING (as applicable)

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Company: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_  
Code: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

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*Michael Z. Miller*  
NAME

President & CEO  
TITLE

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EFFECTIVE  
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By



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**CANCELING PSC KY NO.**

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**ELECTRICAL CONTRACTOR (as applicable)**

Company: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Code: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

**PV GENERATING SYSTEM**

Size \_\_\_\_\_ kW

Expected Start-Up Date \_\_\_\_\_

**INVERTER DATA (if applicable)**

Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

Kilowatt Rating: \_\_\_\_\_ Kilovolt-Ampere Rating: \_\_\_\_\_

Rated Power Factor (%): \_\_\_\_\_ Rated Voltage (Volts): \_\_\_\_\_ Rated Amperes: \_\_\_\_\_

Note: Attach all available calculations, test reports, and oscillographic prints showing inverter output voltage and current waveforms.

**DESCRIPTION OF PROPOSED INSTALLATION AND OPERATION**

Give a general description of the proposed installation, including a detailed description of its planned location and when you plan to operate the generator.

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*Michael L. Nill*

President & CEO

NAME

TITLE

411 Ring Road

42701-6767

By

Executive Director



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**ADDITIONAL INFORMATION**

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*In addition to the items listed above, please attach a detailed one-line diagram of the proposed facility, all applicable elementary diagrams, major equipment, (generators, transformers, inverters, circuit breakers, protective relays, etc.) specifications, test reports, etc., and any other applicable drawings or documents necessary for the proper design of the interconnection. Also describe the project's address or grid coordinates.*

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**INTERCONNECTION COMPLIANCE & OWNER ACKNOWLEDGEMENT**

- Customer shall be solely responsible for obtaining and complying with any and all necessary easements, licenses and permits, or exemptions, as may be required by any federal, state, local statutes, regulations, ordinances or other legal mandates.
- The customer shall submit documentation to the Cooperative that the system has been inspected and approved by the local permitting agency regarding electrical code requirements.
- Customer shall not commence parallel operation of the generating system until written approval of the interconnection has been given by the Cooperative.

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Michael L. Miller

President & CEO

NAME

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4/1/2005

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By

[Signature]

Executive Director

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**SIGN OFF AREA**

The customer agrees to provide the Cooperative with any additional information required to complete the interconnection. The customer shall operate his equipment within the guidelines set forth by the cooperative.

Applicant \_\_\_\_\_

Date \_\_\_\_\_

**ELECTRIC COOPERATIVE CONTACT FOR APPLICATION SUBMISSION AND FOR MORE INFORMATION:**

Cooperative contact: \_\_\_\_\_

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

Address: \_\_\_\_\_

Nolin RECC

411 Ring Road

Elizabethtown, KY 42701-6767

Phone: \_\_\_\_\_

(270) 765-6153

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

(270) 735-1062

e-mail: \_\_\_\_\_

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Michael L. Miller

President & CEO

NAME

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