

FOR All Territory Served
Community, Town or City

P.S.C. KY. NO. 9

1st Revised SHEET NO. 321

CANCELLING P.S.C. KY. NO. 9

Original SHEET NO. 321

Shelby Energy Cooperative, Inc.
(Name of Utility)

RATES SCHEDULE NM—NET METERING

AVAILABILITY OF NET METERING SERVICE

Net Metering is available to eligible member-generators in Shelby Energy Cooperative’s service territory, upon request, and on a first-come, first-served basis up to a cumulative capacity of one percent (1%) of the Shelby Energy Cooperative’s single hour peak load during the previous year. If the cumulative generating capacity of net metering systems reaches 1% of a supplier's single hour peak load during the previous year, upon Commission approval, Shelby Energy Cooperative’s obligation to offer net metering to a new member-generator may be limited. An eligible member-generator shall mean a member retail electric member of Shelby Energy Cooperative with a generating facility that:

- 1) Generates electricity using solar energy, wind energy, biomass or biogas energy, or hydro energy;
- 2) Has a rated capacity of not greater than forty-five (45) kilowatts;
- 3) Is located on the member's premises;
- 4) Is owned and operated by the member;
- 5) Is connected in parallel with Shelby Energy Cooperative’s electric distribution system; and
- 6) Has the primary purpose of supplying all or part of the member's own electricity requirements.

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At its sole discretion, Shelby Energy Cooperative may provide Net Metering to other member- generators not meeting all the conditions listed above on a case-by-case basis.

METERING

Shelby Energy Cooperative shall provide net metering services, without any cost to the Member for metering equipment, through a standard kilowatt-hour metering system capable of measuring the flow of electricity in two (2) directions. This provision does not relieve Member of his or her responsibility to pay metering costs embedded in the Shelby Energy Cooperative’s Commission approved base rates. Net metered electricity shall be measured in accordance with standard metering practices established by Shelby Energy Cooperative using metering equipment capable of measuring and recording energy flows, on a kWh basis, from Shelby Energy Cooperative to the member-generator and from the member-generator to Shelby Energy Cooperative with each directional energy flow recorded independently. If time-of-day or time-of-use

DATE OF ISSUE December 11, 2019
Month / Date / Year

DATE EFFECTIVE January 1, 2020
Month / Date / Year

ISSUED BY 
(Signature of Officer)

TITLE President & CEO

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO. 2019-00440 DATED December 9, 2019

KENTUCKY PUBLIC SERVICE COMMISSION
Gwen R. Pinson Executive Director

EFFECTIVE 1/1/2020 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

FOR _____ All Territory Served
Community, Town or City

P.S.C. KY. NO. _____ 9

Original SHEET NO. _____ 321.4

Shelby Energy Cooperative, Inc.
(Name of Utility)

CANCELLING P.S.C. KY. NO. _____ 5

Original SHEET NO. _____ 100

RATES SCHEDULE NM—NET METERING

LEVEL 1 (continued)

If the generating facility does not meet all of the above listed criteria, Shelby Energy Cooperative in its sole discretion, may either: 1) approve the generating facility under the Level 1 Application if Shelby Energy Cooperative determines that the generating facility can be safely and reliably connected to Shelby Energy Cooperative’s system; or 2) deny the Application as submitted under the Level 1 Application.

Shelby Energy Cooperative shall notify the member within 20 business days whether the Application is approved or denied, based on the criteria provided in this section.

If the Application lacks complete information, Shelby Energy Cooperative shall notify the Member that additional information is required, including a list of such additional information. The time between notification and receipt of required additional information will add to the time to process the Application.

When approved, Shelby Energy Cooperative will indicate by signing the approval line on the Level 1 Application Form and returning it to the Member. The approval will be subject to successful completion of an initial installation inspection and witness test if required by Shelby Energy Cooperative. Shelby Energy Cooperative’s approval section of the Application will indicate if an inspection and witness test are required. If so, the Member shall notify Shelby Energy Cooperative within 3 business days of completion of the generating facility installation and schedule an inspection and witness test with Shelby Energy Cooperative to occur within 10 business days of completion of the generator facility installation or as otherwise agreed to by Shelby Energy Cooperative and the Member. The Member may not operate the generating facility until successful completion of such inspection and witness test, unless Shelby Energy Cooperative expressly permits operational testing not to exceed two hours. If the installation fails the inspection or witness test due to non-compliance with any provision in the Application and Shelby Energy Cooperative approval, the Member shall not operate the generating facility until any and all non-compliance issues are corrected and re-inspected by Shelby Energy Cooperative.

If the Application is denied, Shelby Energy Cooperative will supply the Member with reasons for denial. The Member may resubmit under Level 2 if appropriate.

DATE OF ISSUE _____ January 5, 2016
Month / Date / Year

DATE EFFECTIVE _____ February 5, 2016
Month / Date / Year

ISSUED BY _____ *Debra J. Martin*
(Signature of Officer)

TITLE _____ President & CEO

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION

IN CASE NO. _____ DATED _____

KENTUCKY PUBLIC SERVICE COMMISSION
JEFF R. DEROUEN EXECUTIVE DIRECTOR
TARIFF BRANCH <i>Brent Kirtley</i>
EFFECTIVE 2/5/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

FOR _____ All Territory Served
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P.S.C. KY. NO. _____ 9

Original SHEET NO. _____ 321.6

Shelby Energy Cooperative, Inc.
(Name of Utility)

CANCELLING P.S.C. KY. NO. _____ 5

Original SHEET NO. _____ 102

RATES SCHEDULE NM—NET METERING

LEVEL 2 (continued)

If the Application lacks complete information, Shelby Energy Cooperative shall notify the Member that additional information is required, including a list of such additional information. The time between notification and receipt of required additional information will add to the 30-business-day target to process the Application.

The Interconnection Agreement will contain all the terms and conditions for interconnection consistent with those specified in this tariff, inspection and witness test requirements, description of and cost of construction or other changes to Shelby Energy Cooperative’s distribution system required to accommodate the generating facility, and detailed documentation of the generating facilities which may include single line diagrams, relay settings, and a description of operation.

The Member may not operate the generating facility until an Interconnection Agreement is signed by the Member and Shelby Energy Cooperative and all necessary conditions stipulated in the agreement are met.

APPLICATION, INSPECTION AND PROCESSING FEES

No application fees or other review, study, or inspection or witness test fees may be charged by Shelby Energy Cooperative for Level 1 Applications.

Shelby Energy Cooperative requires each Member to submit with each Level 2 Application a non-refundable application, inspection and processing fee of up to \$100 for Level 2 Applications. In the event Shelby Energy Cooperative determines an impact study is necessary with respect to a Level 2 Application, the Member shall be responsible for any reasonable costs up to \$1,000 for the initial impact study. Shelby Energy Cooperative shall provide documentation of the actual cost of the impact study. Any other studies requested by the Member shall be at the Member's sole expense.

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ISSUED BY _____ *Debra J. Martin*
(Signature of Officer)

TITLE _____ President & CEO

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO. _____ DATED _____

KENTUCKY PUBLIC SERVICE COMMISSION
JEFF R. DEROUEN EXECUTIVE DIRECTOR
TARIFF BRANCH <i>Brent Kirtley</i>
EFFECTIVE 2/5/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

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Original SHEET NO. 321.13

Shelby Energy Cooperative, Inc.
(Name of Utility)

CANCELLING P.S.C. KY. NO. 5

Original SHEET NO. 109

Attach documentation showing that inverter is certified by a nationally recognized testing laboratory to meet the requirements of UL 1741.

Attach site drawing or sketch showing locations of Cooperative's meter, energy source, Cooperative accessible disconnect switch and inverter.

Attach single line drawing showing all electrical equipment from the Cooperative's metering location to the energy source including switches, fuses, breakers, panels, transformers, inverters, energy source, wire size, equipment ratings, and transformer connections.

Expected Start-up Date: _____

DATE OF ISSUE January 5, 2016

Month / Date / Year

DATE EFFECTIVE February 5, 2016

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ISSUED BY *Debra J. Martin*
(Signature of Officer)

TITLE President & CEO

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION
IN CASE NO. _____ DATED _____

KENTUCKY PUBLIC SERVICE COMMISSION
JEFF R. DEROUEN EXECUTIVE DIRECTOR
TARIFF BRANCH <i>Brent Kirtley</i>
EFFECTIVE 2/5/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

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Original SHEET NO. 321.18

Shelby Energy Cooperative, Inc.
(Name of Utility)

CANCELLING P.S.C. KY. NO. 5

Original SHEET NO. 114

15) The Member shall retain any and all Renewable Energy Credits (RECs) that may be generated by their generating facility.

EFFECTIVE TERM AND TERMINATION RIGHTS

This Agreement becomes effective when executed by both parties and shall continue in effect until terminated. This Agreement may be terminated as follows: (a) The Member may terminate this Agreement at any time by giving Shelby Energy Cooperative at least sixty (60) days' written notice; (b) Shelby Energy Cooperative may terminate upon failure by the Member to continue ongoing operation of the generating facility; (c) either party may terminate by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of the Agreement or the Rules or any rate schedule, tariff, regulation, contract, or policy of Shelby Energy Cooperative, so long as the notice specifies the basis for termination and there is opportunity to cure the default; (d) Shelby Energy Cooperative may terminate by giving the Member at least thirty (30) days notice in the event that there is a material change in an applicable law, regulation or statute affecting this Agreement or which renders the system out of compliance with the new law or statute.

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ISSUED BY *Debra J. Martin*
(Signature of Officer)

TITLE President & CEO

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IN CASE NO. _____ DATED _____

KENTUCKY PUBLIC SERVICE COMMISSION
JEFF R. DEROUEN EXECUTIVE DIRECTOR
TARIFF BRANCH <i>Brent Kirtley</i>
EFFECTIVE 2/5/2016 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

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P.S.C. KY. NO. 9

Original SHEET NO. 321.21

Shelby Energy Cooperative, Inc.
(Name of Utility)

CANCELLING P.S.C. KY. NO. 5

Original SHEET NO. 117

1. Single-line diagram of the member's system showing all electrical equipment from the generator to the point of interconnection with the Cooperative's distribution system, including generators, transformers, switchgear, switches, breakers, fuses, voltage transformers, current transformers, wire sizes, equipment ratings, and transformer connections.
2. Control drawings for relays and breakers.
3. Site Plans showing the physical location of major equipment.
4. Relevant ratings of equipment. Transformer information should include capacity ratings, voltage ratings, winding arrangements, and impedance.
5. If protective relays are used, settings applicable to the interconnection protection. If programmable relays are used, a description of how the relay is programmed to operate as applicable to interconnection protection.
6. A description of how the generator system will be operated including all modes of operation.
7. For inverters, the manufacturer name, model number, and AC power rating. For certified inverters, attach documentation showing that inverter is certified by a nationally recognized testing laboratory to meet the requirements of UL1741.
8. For synchronous generators, manufacturer and model number, nameplate ratings, and impedance data (Xd, X'd, & X''d).
9. For induction generators, manufacturer and model number, nameplate ratings, and locked rotor current.

Member Signature: _____ Date: _____

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(Signature of Officer)

TITLE President & CEO

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION

IN CASE NO. _____ DATED _____

**KENTUCKY
PUBLIC SERVICE COMMISSION**

**JEFF R. DEROUEN
EXECUTIVE DIRECTOR**

TARIFF BRANCH

Brent Kirtley

EFFECTIVE

2/5/2016

PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

FOR _____ All Territory Served
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Original SHEET NO. _____ 321.24

Shelby Energy Cooperative, Inc.
(Name of Utility)

CANCELLING P.S.C. KY. NO. _____ 5

Original SHEET NO. _____ 120

adequate service to its members.

- 6) The Member shall be responsible for protecting, at the Member's sole cost and expense, the generating facility from any condition or disturbance on Shelby Energy Cooperative's electric system, including, but not limited to, voltage sags or swells, system faults, outages, loss of a single phase of supply, equipment failures, and lightning or switching surges, except that Shelby Energy Cooperative shall be responsible for repair of damage caused to the generating facility resulting solely from the negligence or willful misconduct on the part of Shelby Energy Cooperative.
- 7) After initial installation, Shelby Energy Cooperative shall have the right to inspect and/or witness commissioning tests, as specified in the Level 1 or Level 2 Application and approval process. Following the initial testing and inspection of the generating facility and upon reasonable advance notice to the Member, Shelby Energy Cooperative shall have access at reasonable times to the generating facility to perform reasonable on-site inspections to verify that the installation, maintenance, and operation of the generating facility comply with the requirements of this tariff.
- 8) For Level 1 and 2 generating facilities, an eligible Member shall furnish and install on the Member's side of the point of common coupling a safety disconnect switch which shall be capable of fully disconnecting the Member's energy generating equipment from Shelby Energy Cooperative's electric service under the full rated conditions of the Member's generating facility. The external disconnect switch (EDS) shall be located adjacent to Shelby Energy Cooperative's meters or the location of the EDS shall be noted by placing a sticker on the meter, and shall be of the visible break type in a metal enclosure which can be secured by a padlock. If the EDS is not located directly adjacent to the meter, the Member shall be responsible for ensuring that the location of the EDS is properly and legibly identified for so long as the generating facility is operational. The disconnect switch shall be accessible to Shelby Energy Cooperative personnel at all times. Shelby Energy Cooperative may waive the requirement for an EDS for a generating facility at its sole discretion, and on a case-by-case basis, upon review of the generating facility operating parameters and if permitted under Shelby Energy Cooperative's safety and operating protocols.

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KENTUCKY PUBLIC SERVICE COMMISSION
JEFF R. DEROUEN EXECUTIVE DIRECTOR
TARIFF BRANCH <i>Brent Kirtley</i>
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Original SHEET NO. 321.28

Shelby Energy Cooperative, Inc.
(Name of Utility)

CANCELLING P.S.C. KY. NO. 5

Original SHEET NO. 124

Exhibit A
(To be developed by each member system)

Exhibit A will contain additional detailed information about the Generating Facility such as a single line diagram, relay settings, and a description of operation.

When construction of Utility facilities is required, Exhibit A will also contain a description and associated cost.

Exhibit A will also specify requirements for a Utility inspection and witness test and when limited operation for testing or full operation may begin.

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KENTUCKY
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JEFF R. DEROUEN
EXECUTIVE DIRECTOR

TARIFF BRANCH

Brent Kirtley

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2/5/2016

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