

FOR All Territory Served
Community, Town or City

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: _____

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
Community, Town or City

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

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.

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
Community, Town or City

P.S.C. KY. NO. 9

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.

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)