

POLK-BURNETT ELECTRIC COOPERATIVE

Policy No.: **M-17**

Subject: **Member's Wiring and Equipment**

Objective: The member shall be solely responsible for the installation, maintenance and safety of member's wiring and equipment and the Cooperative shall not in any way be liable for accident, or damages, occurring to the member or to third parties because of contact with, or failure of, any portion of the member's installation.

Policy: A. **Member's Installation**

The member's wiring shall be installed in accordance with applicable Polk-Burnett policies and local, state and federal laws, codes and regulations. Prior to new service or rebuild connection, the member must submit an *Electrical Inspection Certificate or Wiring Affidavit (per SPS 316.013)*. It shall be the member's responsibility to provide suitable protective equipment, such as fuses, circuit breakers and relays, to adequately protect their equipment.

The Cooperative will take all reasonable precautions to prevent phase failure and abnormal voltage variations, but cannot guarantee that such conditions may not occur due to circumstances beyond its control. The member shall provide appropriate protective equipment so that their motors and other equipment will be disconnected from the line when service is interrupted on one or more phases, or under (low) voltage or other conditions which could cause damage to such equipment. The Cooperative reserves the right to refuse or discontinue service to a member's equipment or wiring, where such equipment is in a hazardous condition, or not in conformity with applicable codes and regulations, or threatens the continuity of electric service to other members.

B. **Service Voltages**

For residential service, three-wire 120-240 volts single-phase will be provided. The transformer and meter location should be located as close as can conveniently be arranged to the member's load center.

For single-phase commercial or irrigation service, three-wire, 480/240 volts can be provided with the meter location adjacent to the transformer but is considered non-standard service without immediate access to replacement transformers

New, three-phase service will be provided at 208 or 480 volts according to the member's need. Combination single and three-phase loads may be served at 120/208 volts or 277/480 volts.

Existing three-phase service locations may continue to be served by 240 volts according to the member's need. However, new locations must conform to the new service standard. Combination single and three-phase loads may be served at 120/240 volts.

At the Cooperative's discretion, primary service will be provided where service is rendered under a rate schedule containing provisions, at nominal 7.2/12.5 kV,

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three-phase grounded Wye, in which case the member shall furnish all necessary transformers and equipment, including location for meters and metering equipment if the Cooperative elects to use secondary metering. If primary service is rendered the Cooperative will provide essential maintenance, repair and inspection of the member’s facilities on request and shall bill the member accordingly. Such bills shall be paid with the current monthly energy bill under the same conditions and terms.

As determined by the Cooperative, any requests to provide electric service for the supply of closer voltage regulation than required by standard practice, a service installation that is not standard to the Cooperative, or for voltages not specified herein is considered a non-standard service for the system of this Cooperative.

For member loads that create disturbances to the electric system that affects the power quality at their location or others, it shall be the responsibility of that member to bear the costs for the Cooperative to correct the problem. Also, refer to Cooperative *Policy M-36 – Motor Starting Currents*.

C. Non-Standard Service

The Cooperative retains the right to reject any request to provide electric service for non-standard services. If approved, the member shall be required to pay the full cost of any special installation by the Cooperative necessary to meet the member’s particular requirements.

D. Phase Balance

Except in the case of three-phase four-wire Delta service, the Cooperative may require that the current on each wire of the three-phase service shall be reasonably balanced at times of maximum or near maximum load.

E. Service Entrance

The member shall provide a service entrance, the design and installation of which shall be subject to the approval of the Cooperative, and will meet applicable code and the Cooperative’s policy and installation standards.

To assure uniformity in construction of metering installations and service entrances, a current transformer will be furnished by the Cooperative when greater than a 320 ampere service entrance is installed. The connections from the current transformer to the meter will be installed by the Cooperative.

Edward O. Gullickson, President
April 24, 2023