

## POLICY No. 6-3

### TERMS AND CONDITIONS OF ELECTRIC SERVICE

**PURPOSE OF POLICY:**

To describe electric service terms and conditions.

**POLICY CONTENT:**Available Service

Service is provided with 60-hertz alternating current and is delivered in accordance with the American National Standard for Electric Power Systems and Equipment, as applicable.

Single-phase service is available at all locations capable of being served from the cooperative's distribution system. Three-phase service may be available, depending on the load's proximity to the nearest three-phase power line. A contribution toward the cost of construction of line extensions may be required from members.

Normal secondary delivery voltages are 120/240 for single-phase services and is to be limited to 800A or less unless prior approval is obtained from the Engineering Manager or COO. Three-phase service is normally available at 240/480 or 277/480 volts for overhead services and 120/208 or 277/480 volts for underground installations. Other delivery voltages may be made available as determined on a case-by-case basis.

Power Factor

Members are expected to maintain a 100 percent power factor as nearly as is practical. Demand charges may be adjusted to correct for average power factors that vary from the norm by more than three percent. Such adjustments will be made by increasing the measured demand one percent for each percent or major factor thereof by which the power factor varies by more than three percent from the standard.

Harmonics and Other Disturbances

The interconnection and use of members' electrical facilities can occasionally cause adverse effects on the quality and/or reliability of electric service to other Inland Power members. Adverse effects include, but are not limited to, abnormal voltages and/or troublesome

disturbances or interferences. If troublesome disturbances are identified at the members' facilities, the member will be required to bring those facilities into compliance with applicable Institute of Electrical and Electronics Engineers (IEEE) and American National Standards Institute (ANSI) standards and meet applicable state and national codes.

#### Large Motor Loads

Single-phase motors, 10hp and smaller, and three-phase motors, 50hp and smaller, may be installed without special equipment to limit in-rush currents during starting. For larger motor loads, members are responsible for installation of equipment or making system modifications as necessary to serve the load without causing adverse impacts on other members.

Single-phase to Three-Phase rotary phase converter installations must be IEEE 519 compliant and are to be generally limited to 25hp or less unless prior approval is obtained from the Engineering Manager or COO.

Staff is encouraged to work with members and their electricians to analyze the situation and anticipate needs prior to building facilities to serve motor loads.

The member shall provide protective equipment as required by National Electric Code (NEC) or other applicable code(s). For all three-phase motor installations, the member is responsible for installing protection equipment against loss of phase conditions.

#### Remedies

If it is determined that a load is causing troublesome or adverse impacts on other members, staff should work with those members to correct the problem(s) as quickly as possible. If the member does not correct the problem(s) within a reasonable period of time, service to the troublesome equipment may be disconnected until the problem(s) is solved.

#### **RESPONSIBILITY FOR IMPLEMENTATION:**

The CEO is responsible for developing procedures to provide electricity to cooperative members in compliance with the above terms and conditions. The CEO is also responsible for ensuring that members comply with the above standards relating to their installations.

**POLICY APPROVAL DATE** 1/19/23

**POLICY EFFECTIVE DATE** 1/19/23



*Randy Suess*

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Randy Suess, President  
Board of Trustees