



Accepted Utah PSC  
Docket No.: 22-030-04

## ELECTRIC SERVICE REGULATION NO. 6

### VI - MEMBER'S INSTALLATION

#### 1. Member's Facilities for Receiving Service

- a. All conductors and equipment including meter bases, etc. (except MLEA's meters and accessories) on the member's side of the Point of Delivery must be installed and maintained at the expense of the member. All conductor, apparatus and equipment shall comply with MLEA's specifications for electric service and meter installations which are on file at any MLEA office and are made a part of these regulations by reference. Member's facilities and installation shall comply with the standards of the National Electrical Safety Code issued by the National Bureau of Standards and the National Electrical Code of the National Fire Protection Association, and with regulations of any governmental authority having jurisdiction.
- b. Members shall not employ or utilize any equipment, appliance, or device so as to adversely affect MLEA's service to the member or other members. Appropriate starting devices for motors shall be installed.
- c. A member utilizing single-phase service at a Point of Delivery whose service entrance equipment does not exceed 400 amperes will be metered with a self contained Class 200 or Class 320 meter. A member requiring single phase service of greater than 400 amperes and not more than 600 amperes will be instrument metered using current transformers per MLEA's specifications.
- d. A member requiring service greater than 600 amperes single-phase will be studied on a case-by-case basis and may be required to take three-phase service and reasonably balance the load on all phases.
- e. A member receiving three-phase service of 200 amperes or less will be metered with standard self-contained metering. Members receiving three-phase service exceeding 200 amperes will require instrument metering per MLEA specifications.
- f. The member shall arrange their load so that there will be a reasonable electric load balance at the Point of Delivery between the phases of a polyphase circuit and between the two sides of a single phase three-wire circuit.

#### 2. Service Entrances and Connections

- a. The member shall provide a suitable service entrance to the premises to be served at the point acceptable to MLEA. Such entrance facilities shall meet the requirements of the authority enforcing the local electrical code or ordinance, if any. The member shall provide a structurally sound point of attachment or support for MLEA's service conductors which will permit the clearances required by law.

#### 3. Power Factor

- a. The power factor calculation shall be made by determining the average monthly power factor from monthly KVAR hours and kW hours as metered.

#### 4. Highly Fluctuating Loads

- a. If the member uses equipment with highly fluctuating load characteristics, or having an abnormal effect on voltage, and whose operation requires MLEA to install facilities in order to protect the

quality of service to other members or to provide for short period use of power by such equipment, MLEA may provide a separate service connection and supply service thereto under the applicable schedule and Extension Policy, Regulation No. 17.

- b. MLEA reserves the right to refuse to supply service to loads of a character which may seriously impair service to any member and shall have the right to discontinue service to the member who shall continue to use appliances or apparatus detrimental to the service to any member after being notified thereof in writing by MLEA.

#### 5. Changes in Installation

- a. MLEA's wires, transformers, meters and other facilities used in supplying service to the member have a definite limited capacity. The member shall therefore give notice to MLEA and obtain MLEA's consent before making any material changes or increases in member's installation. MLEA will promptly give its approval to the proposed change or increase, or will advise the member upon what conditions service can be supplied for such change or increase.

#### 6. Inspection by MLEA

- a. MLEA shall have the right, but does not assume the duty, to inspect the member's installation at any reasonable time and to refuse to commence or to continue service whenever it does not consider such installation to be in good operating condition, but no inspection by MLEA, nor the failure by it to object to the member's installation shall render MLEA in any way liable for any injury or damage resulting from any defective installation of the member.

#### 7. Member's Responsibility

- a. Nothing in these Electric Service Regulations shall be construed as placing upon MLEA any responsibility for the condition or maintenance of the member's wiring, current consuming devices or other equipment, and MLEA shall not be held liable for any loss or damage resulting from defects in the member's installation and shall not be held liable for damage to persons or property arising from the use of the service on the premises of the member.

#### 8. Harmonic Distortion

- a. The allowable harmonic distortion current caused by any individual member as measured at the member's respective Point of Delivery shall meet 2 tests as follows:
  - i. The allowable total harmonic distortion current shall not exceed 10% of the fundamental frequency current.
  - ii. For any specific harmonic order (multiple of the fundamental frequency), the harmonic distortion current as a percentage of the fundamental frequency current multiplied by the harmonic order shall not exceed 10%. Example: If the harmonic distortion current for the 5th order harmonic is measured at 1.2% of the fundamental frequency current, the harmonic distortion calculation for the harmonic order is 1.2% times 5 (for the 5th harmonic) or 6%. Since the 6% amount does not exceed 10%, it is allowable.
- b. When problems are brought to the attention of MLEA, MLEA will measure the total and individual order harmonic distortion currents, and will share such information obtained with the member. The probable source of such problems will also be determined where possible.
- c. Members needing to take corrective actions to eliminate excessive harmonics and their effect on other members shall be notified of such need in writing, and shall be given 90 days following notification to make corrections which eliminate problems. If the offending member does not eliminate problems within 90 days following notification, MLEA shall, at its sole option, take corrective actions and bill the member for expenses of such corrective actions or may disconnect service.