



Date Adopted: 09/07/2022

Date Revised:

Date Reviewed:

**Policy 515**  
**Construction Standards for Distribution Lines**

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**SUBJECT:**

Construction Standards for Distribution Lines

**OBJECTIVES:**

To periodically review best practices for overhead and URD construction and implement those that will provide our members and the public with an electrical system that is safe and reliable. Our goal is to build our system to withstand major storms with minimal damage.

**POLICY:**

- A. All new construction will be designed and built to meet or exceed Heavy Loading District requirements.
- B. All new construction will be designed and built to 25 kV standards.
- C. Overhead Construction:
  - 1. Ruling spans for all overhead construction is approximately 275 feet or less.
  - 2. Minimum pole class for all new overhead construction is class 4.
  - 3. Standard conductor sizes for substation feeder lines is 4/0 ACSR T2, 336.4 ACSR or 4/0 ACSR. 1/0 ACSR is standard conductor for tap lines. Neutral conductor will be the same size as phase conductor.
  - 4. Typical crossarm construction is on 10' fiberglass arms rated for conductor loading.
  - 5. Post insulators are used as a standard on all new construction.
  - 6. MYEC's Avian Protection Plan will be considered on all new construction.
- D. URD Construction:
  - 1. Standard conductor sizes for substation feeder lines at a minimum will be 500 MCM or 4/0 stranded. 1/0 solid is standard for tap lines.
  - 2. 260 mil EPR insulation is used in all applications.
- E. Secondary Construction:
  - 1. Meter installations will be installed on transformer poles or as close to pole or padmount transformer as feasible.
  - 2. Fuses or breakers are required below meter.
  - 3. MYEC will supply meter base and disconnect for new services.
  - 4. Meter bases shall be ringless.
- F. Procurement Procedures  
MYEC requests quotes for construction and material yearly at a minimum. Labor and material are awarded or purchased based on a combination of past performance, availability, and pricing.