

## Summary of Major Changes from 2008 Edition

Book has been reorganized for easier reference.

Drawings have been renamed; reorganized and new information has been added.

If the total service requested is over 200 Amps, other than 120/240 volts single phase or requires more than one meter contact the Company.

### Section (§) 1 Definitions added

#### §2.2.4 Bracing of Poles or Risers

Bracing is required if a pole or riser:

- Is unstable,
- Bends,
- Moves when shaken
- Moves when a ladder is put against it
- Moves when the lineman gets on the ladder, or
- Bends when wires are attached.

Consult the Company for specific requirements. See Drawing D2-1

§2.4 In locations with underground facilities, the Customer shall notify One Call at 811 not less than two business days prior to commencing work and shall have One Call locate all underground facilities before digging (used to be 48 hours)

#### §2.6 Defined locations for surge protection

§3.4 location of disconnect is now part of Required Information for New Service or Alteration to Service

§3.5 Connection of Service - outlines advantages of main breaker or disconnect switch being outside, by the meter, the grounding conductor and connections are identifiable and inspect-able.

§4.2.1 Three phase services are normally four wire. Customer is required to take the neutral to the first disconnect switch past the meter.

§4.2.2 Prior approval required for additional/multiple services.

#### §4.13 Resistance Grounded Services - defined

§5.3 Voltages for Heating, Instant Water heating units, and Car Chargers- consult the Company for service to *units* rated 15kVA (60 amps) or higher

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### **§7.7 480 Volt Metered Service**

A 480 Volt service with a self-contained meter shall have

- on the line side of the meter
  - a labeled,
  - non-fused disconnect switch, and
- on the load side
  - a breaker or
  - over current device and disconnect

All shall be customer furnished and customer maintained. Also refer to **Drawing D7-4**. See Label and Disconnect or Disconnect switch §1.5.

### **§8.4 Requirements for Obtaining Underground Service**

Underground Service is not allowed to be under or inside a building or structure unless the Company gives written permission designating where the cable, etc. will go. Typically, the point of connection and meter will be where the conduit or cable goes under or inside a building.

### **§8.5 Junction boxes**

- Are not normally required or accepted for 120/208/240volt self-contained single meter installations or residential services unless a main disconnect is required ahead of the meter
- Have a rain-tight (NEMA 3R) weather proof front cover that is hinged to the side(s)
- Have new sizing
- The customer supplied connector should be located in the center of the junction box four feet from grade or lower (normally should be low enough that the lineman can work on without a ladder).
- Without prior Company approval, a junction box may only serve one meter, one main, or one weatherproof wire way for two or more meters

### **§8.9 Conduit**

The Company shall specify total number of conduit runs including spare conduit runs;

Nonmetallic conduit installed totally below grade shall be at least Schedule 40 PVC or equivalent and shall be electrical gray or black with red stripes for continuous conduit.

Consult Company to learn if Company approved rigid galvanized steel elbows with 4" red concrete is required for primary cable.

750 kcmil, 25kV, three cable runs require 6" conduit for new installations

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### **§8.10 Termination of Customers' Conductors in Company's Transformers**

- When the Customer chooses to bring cable to the transformer, the Customer shall provide labels to identify their ownership of the conductors. See §1.5 Labels
- The Company shall furnish terminals for secondary conductors when Company's standard connectors can be used.
- Larger cable or cable with more strands than Company cable listed (such as locomotive cable or welding cable), shall require Customer furnished, Company approved connectors.
- Customer may supply Aluminum or Copper cable designed for the application.
- Pad mount transformers are sized based upon Company guideline/ not NEC

### **§9.1.2 Meter Socket Specifications**

The metering installation should be as tamper-proof as possible. The equipment shall be good quality and strength so that corrosion and deterioration will not present safety problems and require the Customer to replace the meter socket. The Company at its option can require the Customer to replace obsolete metering facilities.

**No Customer device shall be allowed between meter and socket.**

### **§9.1.3 Meter Transformer Enclosure Specifications**

- Shall be side hinged
- CTs will be placed at center.
- Customer Conduit spaced evenly

### **§9.6 Meter Mounting Height**

For Structures/ houses raised or built elevated to avoid rising water: the service entrance or pole-mounted equipment (meter base, disconnect, breakers, etc.) shall be mounted at an elevation sufficient to avoid inundation by normal tidal action or seasonal flooding. (at least as high as the bottom of the house/ structure).

### **§10.5 Transformer Vaults - new requirements & Drawing**

**§13 Arc Flash** Please contact Entergy by phone at 1-800-ENTERGY (1-800-368-3749) or at [www.entergy.com](http://www.entergy.com) to request this information.

**§14 & 15 New** – requirements for Customer owned Generation & Connecting to Company

**§16 Power Quality Parameters for Customer Equipment Specifications** moved to Power Quality Standard for Electric Service.