

RULES FOR ELECTRIC METER & SERVICE INSTALLATIONS



RULE 7

- (a) **Method of Service/Supply**
- (b) **Location of Customer's Service Pole or Structure**
- (c) **Customer's Service Pole or Structure**
- (d) **Customer's Disconnecting Means**
- (e) **PPL EU's Specifies Characteristics**
- (f) **PPL EU's Service Wires**
- (g) **Alternate Service**

RULE 7 - HIGH VOLTAGE SERVICE - EXCEEDING 600 VOLTS THROUGH 15KV - OVERHEAD SERVICE FROM OVERHEAD LINES

a. Method of Service/Supply:

The usual method of connection for high voltage service from PPL EU's distribution system is by overhead wires from PPL EU's pole to the customer's service pole or structure.

PPL EU generally provides only one set of service wires for one premises.

b. Location of Customer's Service Pole or Structure:

PPL EU designates the location of the customer's service pole or structure on the customer's property at the most practical location accessible from PPL EU's lines so that the length of the service wires is not less than 15 feet or more than 100 feet.

c. Customer's Service Pole or Structure:

The customer furnishes, installs and maintains a service pole or structure of sufficient height to provide clearances to ground, buildings and other facilities as prescribed by the National Electric Safety Code or any other applicable code.

Whenever the service pole or structure must be guyed to offset the pull of PPL EU's service drop or the customer's distribution wires, the guy(s) is furnished, installed and maintained by the customer.

If guying is necessary to offset tension from PPL EU's service drop PPL EU will provide specifications for guy wire, rod size and lead length. A strain insulator must be installed at the pole end of the guy wire.

Service pole shall be ANSI Class 4 minimum, preservative treated, and installed at specified depth in accordance with **Sketch #47**. See **Rule 18** for meter pole arrangements.

d. Customer's Disconnecting Means:

The customer furnishes, installs and maintains a disconnecting means, of a type specified by PPL EU, on the service pole or structure for electrically disconnecting the customer's facilities from those of PPL EU.

The disconnecting means, installed ahead of the metering equipment, shall be a group operated load interrupter switch with fuses, see **Sketch #30**, or a circuit breaker.

When a circuit breaker other than a drawout type is installed, it shall be preceded by a set of isolating switches so mounted that the break is visible when the switches are open.

e. PPL EU's Specifies Characteristics:

PPL EU's distribution system can support fusing up to 175E standard speed power fuses for point of contact applications. If a 175E fuse is inadequate for customer loading, then an electronic fuse or a group operated tripping device such as a recloser or relayed circuit breaker is required.

PPL EU specifies the type and characteristics of the automatic interrupting device to be installed by the customer for each location in order to coordinate with PPL EU's line protective devices.

f. PPL EU's Service Wires:

PPL EU furnishes, installs and maintains the source side lightning arrester(s) and dead end insulator assembly to attach its service wires to the customer's service pole or structure and makes the connection at the point of service which is on the line side terminals of the customer's disconnecting facilities.

g. Alternate Service:

PPL EU will furnish an alternate service under terms and conditions described in **Rule 1(j)**.

Upon approval of alternate service facilities by PPL EU, PPL EU will provide reference drawings to the customer for the particular installation involved. PPL EU also provides requirements for protection and control equipment associated with all transfer schemes.

Customer shall furnish construction drawings to PPL EU for preliminary review upon request by PPL EU.

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