

RULES FOR ELECTRIC METER & SERVICE INSTALLATIONS



RULE 1

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- (b) Overhead System
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- (d) Meter Sequence (Hot/Cold)
- (e) Single Point of Service
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RULE 1 - GENERAL

a. PPL EU's Standard Service:

PPL EU's standard service is single phase or three phase, 60 Hertz, phase rotation C-B-A (3-2-1) counter clockwise alternating current. All non-standard service is in the process of elimination and no new or additional non-standard service will be provided.

b. Overhead System:

PPL EU's distribution system is generally overhead and the normal method of service is by overhead wires. Service is supplied by underground service lateral from overhead distribution at the request of the customer in accordance with **Rules 6, 8 or 9**.

c. **Underground System:**

PPL EU has or may establish underground distribution in certain areas. Overhead service is not supplied within these underground service areas.

d. **Meter Sequence (Hot/Cold):**

Hot Meter Sequence is used for service provided at a service voltage below 600 Volts. The Metering equipment is installed ahead of the customer's service disconnect unless the National Electrical Code (NEC) or other applicable code requires the installation of a main disconnect ahead of the metering equipment.

Cold Meter Sequence is used for certain Network services; 277/480 Volt self-contained service and for service exceeding 600 Volts. The metering equipment is installed on the load side of the customer's main disconnect.

e. **Single Point of Service:**

PPL EU installs, owns and maintains its lines and equipment to furnish one source of service to a premises at a single point of service and does not install or maintain any lines, equipment or apparatus, except meters and meter accessories, beyond that point.

f. **PPL EU Specifies Service Characteristics, Method of Service and Point of Service:**

The customer, before planning wiring or purchasing electrical equipment shall obtain from PPL EU, the exact characteristics of service available, the method of service, and point of service to assure prompt connection of service. This is equally important for service upgrades as well as for new installations.

g. **Notify PPL EU of Load Growth:**

PPL EU's service wires, transformers, meters and other equipment are installed to provide for the customer's requirements at that time and have a limited excess capacity.

Therefore, to assure satisfactory operation of the customer's equipment and to protect both customer's and PPL EU's facilities against damage, the customer or customer's contractor shall notify PPL EU as far in advance as possible of any major additions to customer's connected load so that adequate facilities can be provided.

See "**Applying for Electric Service**" for more information.

h. **Separate Point of Service:**

PPL EU furnishes a metered separate point of service to the premises of a customer when requested by the customer, at the customers' expense. Examples include a location remote from the present point of service, a fire pump service or an isolated

load requiring a different service voltage, when such separate point of service is justified as determined by PPL EU. The separate point of service is furnished only under a separate service contract and rate application.

The customer pays the fully allocated cost of any primary or secondary facilities needed to serve the additional points of delivery. (C)

i. Separate Point of Service - Fire Pumps:

See NEC Article 695 for Electric Utility Service Connection information pertaining to separate service for Fire Pumps.

Fire Pump Installations – It is the responsibility of the Customer to determine how they will comply with the requirements of NEC Article 695, NFPA 20, its local fire authority and any other applicable code. PPL EU recommends the Customer consider a separate dedicated service to fire pump installations, as well as customer owned on-site emergency standby generator(s) as described in NEC Article 695 and NFPA 20. PPL EU does not guarantee continuity of service and assumes no liability if/when firepumps operate or do not operate due to lack of electric service.

j. Alternate Service:

PPL EU furnishes an alternate service to a premises when requested by the customer. The alternate service is used to serve during interruption to the normal service. At times, PPL EU may require the customer to take service normally from both sources.

The customer agrees, under a service contract with an initial 5-year term, to pay annually in advance and in addition to the electric service bill, a facility charge based on PPL EU's estimated cost of all additional facilities installed and maintained for the alternate source.

k. PPL EU Makes All Connections:

PPL EU personnel make the connections between PPL EU's service drop or service lateral and customer's service entrance conductors for temporary or permanent services.

Electrical contractors, authorized to participate in PPL EU's Fast Track program (Rule 34), may make permanent connections to PPL EU's distribution system for upgrades to existing single phase, 3 wire, overhead electrical services up to 200 Amperes, for homes and small businesses, using approved connectors provided by PPL EU.

l. Alteration or Interference with PPL EU's Property:

The customer or customer's contractor shall not alter, interfere with, attach to, install additional (internal or external) devices, or permit alteration or interference with meters, meter bases, seals, other metering equipment (including but not limited to CT cabinets, current transformers, voltage transformers) or other property of PPL EU.

PPL EU is in no way held accountable for the removal of any attachments or

obstructions. It is the customers' responsibility to make any repairs or cover any costs to PPL EU if an attachment or obstruction has been removed or caused damage to PPL EU or customer equipment.

Electrical contractors, authorized to participate in PPL EU's Fast Track program, may use special meter base seals provided by PPL EU for use in the Fast Track program only.

m. Placement of Swimming Pools, Fountains and Similar Installations:

The customer shall contact PPL EU to discuss clearances to electric service facilities **before installing** a swimming pool, fountain and similar installation. See also NEC Article 680:

- (1) under overhead service conductors or cables,
- (2) where the edge of the pool would be within 25 feet horizontally of the overhead service conductors or cables, or
- (3) where any part of the pool or its auxiliary equipment would be within five feet horizontally of any underground service cables.

n. Hazardous Locations:

For underground service, the customer shall provide a point-of-service external to locations defined as Class I by NEC Article 500. These are hazardous locations which flammable gases or vapors are or may be present in the air in quantities sufficient to produce explosive or ignitable mixtures.

PPL EU will not install underground electric service facilities within or under Class I locations.

o. Electrical Equipment Covers:

PPL EU does not, under any circumstance, permit the use of any type of electrical equipment cover, for landscaping or any other purposes. The electrical equipment mentioned includes but is not limited to, pad-mount transformers, submersible transformers, secondary splice boxes and/or manhole covers.

PPL EU is in no way held accountable for the removal of any obstructions or covers from the work area (see **Sketch 55**, **Sketch 55A** and **CRS 6-14-125** for more information). It is the customers responsibility to make any repairs (including but not limited to the replacement of satellite dishes, trees, shrubs, landscaping, etc to a location outside of the working area, re-seeding of grass, etc.) if an obstruction has been removed.

In the event of an equipment failure, where the equipment has been covered, the customer is responsible for reimbursing PPL EU for any and all costs to replace and repair the damaged equipment.

(C) Indicates Change

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