

RULES FOR ELECTRIC METER & SERVICE INSTALLATIONS



RULE 4A

- (a) Clearances Over Areas and Buildings
- (b) Clearance Under Communication Company Lines
- (c) Clearances Between Gas Facilities and Electric Meters
- (d) Clearances Between Satellite Dish and PPL EU Facilities

RULE 4A - SECONDARY SERVICE — CLEARANCE INFORMATION

a. Clearances Over Areas and Buildings:

Per the National Electrical Safety Code (NESC), cabled service drop, 600 Volts and less, shall have a minimum clearance above:

- (1) Roads, Streets, Alleys, Parking Lots subject to truck traffic - **16 feet**. Pennsylvania State highways - **18 feet**. (Note - Service drops shall not cross limited access highways or the PA Turnpike).
- (2) Lands traversed by agricultural vehicles such as cultivated, grazing, forest, orchard, etc. - **16 feet**.
- (3) Roofs accessible to vehicular traffic - **16 feet**.
- (4) Signs, Chimneys, Antennas, Tanks, etc. - **42 inches**.
- (5) Communication conductors, cables, and messengers on same structure - **40 inches**.
- (6) Residential driveways and commercial areas not subject to truck traffic - **16 feet, 12.5 feet¹, 12 feet²**.
- (7) Spaces accessible to pedestrians only - **12 feet, 10.5 feet¹, 10 feet²**.
- (8) Roofs and balconies accessible to pedestrians - **11 feet, 8 feet³**.
- (9) Roofs and projections **not** accessible to pedestrians - **3.5 feet, 3 feet³, 18 inches⁴, 36 inches⁵**.
- (10) Sloping Roofs per NEC/IRC
 - a. **8 feet** minimum if slope is less than 4 inches to 12 inches ratio.
 - b. **3 feet** minimum if slope is greater than or equal to 4 inches to 12 inches ratio.

NOTES:

- 1 Limited to 300 Volts to ground.
- 2 Limited to 150 Volts to ground.
- 3 Conductors attached to building.
- 4 Where service does not pass over more than **48 inches horizontal** of the overhang/eaves portion of the roof, and the service is terminated at a through-the-roof raceway or approved support.
- 5 Where service does not pass over more than **72 inches horizontal** of the overhang/eaves portion of the roof, and the service is terminated at a through-the-roof raceway or approved support.

b. Clearances Under Communication Company Lines:

Where a service drop crosses under communication conductors, cables, or messengers which are on different supporting structures, the vertical clearance shall be **24 inches** minimum.

c. Clearances Between Gas Facilities and Electric Meters:

These required separations are taken from the NFPA National Fuel Gas Code Section 5.7.2.3 and NFPA Liquefied Petroleum Gas Code Table 3.2.2.2 (d):

- (1) Gas meters shall be located at least 3 ft. (0.9 m) from sources of ignition.
- (2) LP-Gas or propane cylinders that are exchanged (not filled on site), 5 ft. separation from external sources of ignition; PPL EU requires 6 ft.
- (3) For larger cylinders filled on site, 10 ft. separation from a source of ignition.

See Sketch #55

d. Clearances Between Satellite Dish and PPL EU Facilities:

- (1) PPL EU Requires a Satellite Dish be a minimum of 3 feet from PPL EU's facilities and maintain 50 inches of clearance space in front of the meter base. No attachments are permitted to the service entrance, conduit or mast. **See Sketch #55A** for more information.
- (2) PPL EU also requires a 10 foot clearance from the front and 4 foot clearance from the back and sides of a ground transformer case. **See CRS 6-14-125** for more information.

06-02-2006