

## Responsibilities

### What should I do for service?

- Contact the Customer Operations Center to complete an application for service at **1-800-572-1113**. This will include a date when service will be needed and connected load information with as much detail as possible.
- Provide and install service pole with meter base mounted at a height that allows meter installation between 5 foot and 6 foot from finished grade.  
**\*NOTE:** If backfilling is to be done later, the meter socket may be installed higher than 6 feet. However, an adequate, safe platform must be installed until backfilling has been completed. Ensure installation meets Kentucky Power requirements.  
**\*NOTE:** Meter bases are not permitted to be mounted on single wide mobile homes.  
\* It is important to install your service equipment and service attachment point in the correct location. Installing without first contacting Kentucky Power could result in additional charges if location results in the need for additional line work.
- Clear and maintain the service drop right-of-way since it belongs to you.
- Ensure installation meets Kentucky Power requirements.
- Obtain electrical inspection and report inspection number to Kentucky Power at **1-800-572-1113**.

### What will Kentucky Power do?

- Determine location of service.
- Provide and install service drop to customer's service pole.
- Provide the meter base, install and remove meter if or when necessary.  
**\*NOTE:** If you obtain a meter base from a source other than Kentucky Power, please verify the meter base is on Kentucky Power's approved meter base list, which can be found at [www.kentuckypower.com](http://www.kentuckypower.com). Failure to use an approved meter base will result in denial of service.

## Notes & Requirements

### Pole

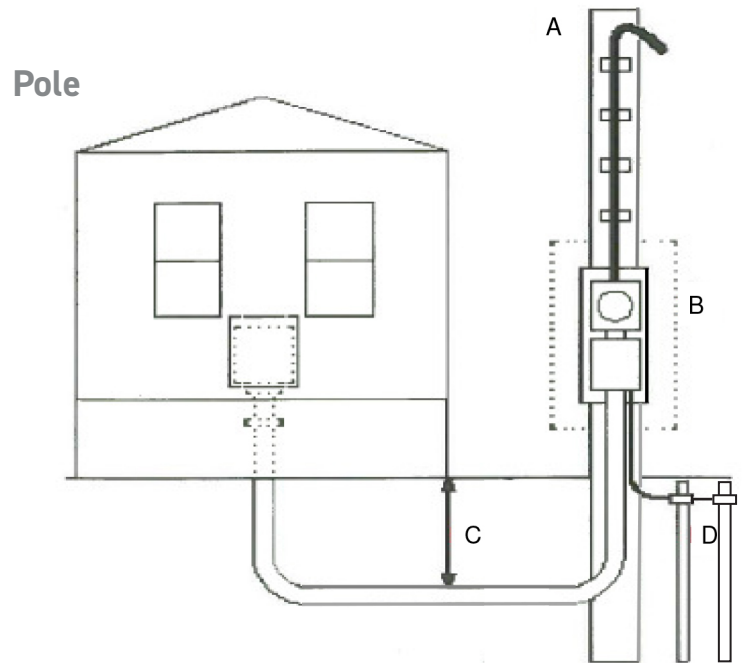
**\*NOTE:** Reference Diagram labeled Pole and Meter Base on page 2.

- A:** Pole used must be commercially treated with a minimum 6 inch diameter at the ground line. The top should be minimum 5 inches in diameter. The pole shall be tall enough to be installed a minimum of 4 feet below the ground and provide a 12-foot minimum clearance (a minimum 20 foot pole is recommended) at the service drop attachment point unless crossing a roadway, subject to traffic, which requires an 18-foot minimum clearance (a minimum 25-foot pole is recommended).  
Larger poles may be needed depending on terrain. Remember to tamp the backfill material as the hole is being filled. Bracing or guying may be required.

### Meter Base Mounting, Ground Conduits

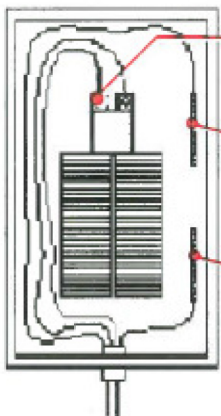
- B:** Requires treated 2 inch by 10 inch or larger solid wood board (not plywood). Equipment may be mounted directly to the pole. Scenario 1 (best): Conduit with weather head should be used up the pole with service entrance conductor (separate conductors). Provide minimum of 2 feet conductors, which project from the service weather head any time a mast is installed. Install entrance conduit to top of pole (see chart for size). Space conduit straps 30 inches apart. Conduit must be strapped within 12 inches of meter base. A manufactured weatherproof hub connector is required.  
**Scenario 2:** An entrance cable can be used without Space cable straps 30 inches apart. Leave 24 inches of cable at top for drip loop. A weatherproof hub connector is required.
- C:** Conduit is required to a depth of 18 inches below grade from the disconnect. Check NEC for conduit requirements from disconnect. Trench depth is 24 inches minimum. Exposed conduit shall be schedule 80 or equivalent.
- D:** Ground wire must come from disconnect panel (not meter base). It should come through separate hole in bottom of disconnect extending down toward the ground rod. The customer shall have a minimum of 2 X 5/8 inches X 8 foot driven ground rods at least 8 feet apart and clamp should be beneath final grade.

Entrance Conductor Size (2002 NEC)	
Switch Box Size	Size of Cable
200A	2/0 Cu or 4/0 Al
Size of Ground Conductor	
Entrance Size	Ground Wire Size
1 to 1/0 Cu	#6 Cu
2/0 to 3/0 Al	#6 Cu
2/0 to 3/0 Cu	#4 Cu
4/0 to 250 mcm Al	#4 Cu
Conduit Size	
200 A	2 in.



Setting Depth of Poles in Soil			
Pole Length (ft)	Setting Depth (ft)	Min. Diameter at Ground (in) (min top diameter 5")	
		SY Pine	WR Cedar
18'	4 ft.	6 in.	6 1/2 in.
20'	4 1/2 ft.	6 in.	6 1/2 in.
22'	4 1/2 ft.	6 1/4 in.	7 in.
25'	5 ft.	6 1/2 in.	7 in.
30'	5 1/2 ft.	7 in.	7 1/2 in.

## Main Panel



- 1. Main Breaker**  
Line conductors to be connected to main breaker
- 2. Neutral Bar**  
Neutral conductor to be connected with white wires on neutral
- 3. Equipment Ground Bar**  
Green equipment grounding conductor (4th wire) to be connected with bare wires on equipment grounding bar.
- 4. Receptacle**  
A receptacle or an outside building may be required. Check the NEC or with an inspector.

## Meter Base

