

**COVINGTON ELECTRIC COOPERATIVE, INC.**  
**General Requirements for New or Upgraded Service**  
(To be used in conjunction with the appropriate wiring guide)

1. The Cooperative shall be notified before the installation of a new service entrance to determine the point of attachment for Cooperative lines.
2. No change in the size or location of an existing service entrance shall be made without first giving notice to the Cooperative.
3. Any upgrading or major renovating of any service entrance will have to meet the code requirements currently in effect. These requirements will include but not be limited to NEC, NESC, RUS, and CEC specifications.
4. The Cooperative will furnish meter sockets for all permanent type installations. Temporary construction services are not considered permanent installations.
5. MINIMUM capacity requirements.
  - A 60-Amp, 3-wire, single-phase 120/240-volt service will be permitted on temporary construction type services, water pumps, barns, electric fences, meter poles not serving a mobile home, or others pre-approved by the Cooperative.
  - A 100-Amp, 3-wire, single-phase 120/240-volt is minimum size permitted on mobile homes, new or rewired residences.
6. All types and classes of service will be metered with equipment furnished and owned by the Cooperative.
7. The Cooperative will provide only one set of service wires for each meter. All entrance equipment and feeders past the initial connection point of the Cooperative's service lines shall be owned and maintained by the consumer.
8. A maximum of six (6) disconnect switches shall be permitted in a distribution panel without a main disconnect switch to disconnect electricity to all distribution circuits.
9. Power panels are acceptable.
10. The attachment point to the service entrance for permanent type installations, for the Cooperative's overhead service lines, shall be a minimum of twelve feet (12') above finished grade. The attachment point to the service entrance for mobile homes, or any pole-mounted service shall be a minimum of seventeen feet (17') above finished grade.
11. The location of the meter must be on the outside wall of the building accessible to a meter reader or other Cooperative employees. The mounting height shall be approximately five feet (5') above finished grade.
12. Grounding requirements are specified on the wiring guide.
13. The Cooperative shall make a service inspection before connecting any new or rewired service. All items listed above and the requirements specified on the appropriate guide will be checked for compliance.

**SERVICE ENTRANCE CONDUCTOR SIZES**  
**FOR**  
**THREE-WIRE, SINGLE-PHASE DWELLING SERVICES**

This table is intended for use as a guide. All work shall conform to the current edition of the National Electrical Code, except that local codes and regulations having jurisdiction shall take precedence.

Conductor Types and Sizes  
 SE-USE-RH-RHH-RHW-THW-THWN-THHN-XHHW

Size Entrance	Copper Conductors		Aluminum Conductors		Grounding Conductors  Bare Copper Only Minimum Size
	Size of Insulated Conductor	Minimum Size of Neutral	Size of Insulated Conductor	Minimum Size of Neutral	
100	2 - # 4	1 - # 6	2 - # 2	1 - # 4	# 6 cu
150	2 - # 1	1 - # 3	2 - # 2/0	1 - # 1	# 6 cu
200	2 - # 2/0	1 - # 1	2 - # 4/0	1 - # 2/0	# 4 cu

The reduced neutral conductor size is not permitted for 120/240-volt, three-wire, single-phase services where there are no 240-volt loads.

GROUNDING SPECIFICATIONS

1. A 5/8" galvanized steel ground rod, a 5/8" copper clad steel ground rod or a 3/4" galvanized steel pipe will be driven into the ground to a depth of 8 feet at the point of service attachment.
2. The ground wire (see table above for size) will run continuously from the ground rod to the meter base or power panel.
3. The ground wire will be attached to the ground rod with a connector designed and approved for that purpose.

EQUIPMENT SPECIFICATIONS

1. All material used on the outside of the customer's premises must be of non-corrosive material (rust proof).
2. All exterior equipment shall be approved for outdoor use (weather proof).
3. The service entrance equipment shall be solid-neutral, dead front type with the neutral bonded to the box frame.