

RESIDENTIAL ELECTRIC SERVICE POLICY

Following the receipt of an application for new service, engineering personnel shall meet with the homeowner or their representative at the site to establish the route for the service and meter socket location. Under no circumstances shall the customer install the electric service conduit until a representative of the engineering department with the Florence Electricity Department has approved the route.

Underground Service

1. All underground residential electric service shall be installed in conduit. The conduit shall be UL listed electrical grade schedule 40 PVC with pull string. The conduit size shall be 2 ½ inch for services up through 200 amps. For services greater than 200 amps, two 2 ½ inch conduits shall be installed.
2. The customer/contractor is required to furnish and install the service conduit for new, relocated, failed direct buried cable, and/or underground cable that may need to be replaced due to failure or inability to re-use existing conduit. Final grade must be established prior to the installation of the service conduit. At the time of installation, the top of the service conduit shall be a minimum of 24 inches below grade. If the homeowner plans to lower the grade after the service conduit has been installed, the conduit shall be installed deep enough to provide 24 inches of cover after final grade has been established. Florence Electricity Department reserves the right to inspect conduit after service installation. If the service depth is inadequate, it will be at total cost (labor and material) for the customer to lower the conduit to the correct depth.
3. Service conduit shall only have two 90 degree sweep conduits that have a minimum of a 36 inch radius. The two 90 degree sweep conduits shall be located at the pad mount transformer (or riser pole) and meter socket location. The route of the conduit shall be in a straight line between the pad mount transformer (or riser pole) and meter socket location. Any curvature in conduit route shall consist of long slow sweeps of 10 or 20 foot sticks of conduit pieced together. A representative of the engineering department with Florence Electricity Department must approve any curves in conduit.

4. In underground subdivisions and trailer parks (those where underground high voltage cables and pad mounted transformers are used) Florence Electricity Department will furnish and install a 2 ½ inch conduit to each lot. The customer is responsible for connecting to this conduit and extending the conduit to the meter socket location. If the developer knows of any lot to be a 400-amp service, the developer shall inform the engineer designing the layout so that extra conduits shall be installed. The developer can also request extra conduit to be installed for possible 400 amp lots. This request shall be made at the initial design to the engineer and not after a layout has been finalized. Final grade must be met before an aide to construction charge is provided.
 - a. Where an extra 2 ½ inch 90 degree 36 inch long sweeping conduit is required (400 amp service) at the pad mount transformer, Florence Electricity Department will install the extra 90 degree 36 inch long sweeping conduit at a charge of 2 hours of labor and the cost of the 90 degree 36 inch long sweeping conduit. For underground service from a pole mounted transformer, the customer shall install the extra 2 ½ inch conduit from the riser pole to the meter base.
5. A representative of the Florence Electricity Department must inspect the conduit installation prior to covering the ditch. The customer must contact the engineer representative of the Florence Electricity Department prior to any work and coverage. Electrical warning tape shall be installed after approximately one foot of coverage.
6. Florence Electricity Department will furnish and install all conduits installed on utility poles. The customer is required to furnish and install conduits to a point six inches above grade at pole location.

Underground Service Distance Limitation

1. Service from a pad-mount transformer must not exceed 250 feet.
2. Service from an overhead source must not exceed 225 feet.
 - a. Note: overhead source is transformer location

Underground Primary Distance Limitation

1. Pad mount transformer to pad mount transformer : 300 feet
2. Terminating cabinet to pad mount transformer: 300 feet
3. Terminating cabinet to terminating cabinet: 300 feet
4. Primary Riser Pole to terminating cabinet: 270 feet
5. Primary Riser Pole to pad mount transformer: 270 feet

Overhead Service Distance Limitation

1. Service route to be determined with a representative of Florence Electricity Department and customer.
2. Services shall not exceed 200 feet from transformer pole.
3. Florence Electricity Department shall set a pole every 100 feet to ensure N.E.S.C. standards are maintained. Services larger than 200 amps or have multiple service wires attached may require shorter distances between pole spans or pole locations in regards to house or pole service drops.

Overhead Primary Distance Limitation

1. Primary Pole to Primary Pole: 270 feet

*Reference Customer Contribution to Construction Charges for costs associated with existing, relocation, and new services. Please note that these are not associated with deposit amount that is collected at customer service.

* Reference Florence Electricity Department specification sheets for meter base type, overhead installations, and underground installations.

*Florence Electricity Department reserves the right to adjust policy as needed to maintain easement, N.E.S.C., voltage issues, and other issues or specifications as required.