

Underground Policy

- 1. Customer or developer shall submit to Fulton Electric System a written plan for underground service along with a complete plat of the development. A utility easement must be provided along the streets and designated property lines for the primary lines, transformers, and secondary lines.**
- 2. All locations of anticipated construction and proposed utilities shall be clearly marked on plat.**
- 3. All electric services sizes, secondary voltages and estimated loading must be provided.**
- 4. Sub- divisions, multi-unit dwellings, mini malls, multi-office buildings or any other development requiring one (1) service entrance point shall be reviewed individually.**
- 5. Fulton Electric System reserves the right to spot the location of all meter bases, transformer pads, service risers, hand-hole and pole locations.**
- 6. All drawings, plats or requests for underground service or questions are to be submitted to:**

Fulton Electric System

501 Walnut Street

Fulton, KY 42041

Attention: Line Crew Supervisor/General Manager

Customer Requirements for Underground

- 1. Standard meter bases will be furnished for total electric homes or businesses up to 400 amp services (except for multi position or specialty meter cabinets). All other customer installations can purchase standard meter bases from FES up to**

400 amp (same exception as above) or purchase from other vendors of their choosing. Certain specifications do apply.

2. Customer shall submit a copy of the electrical inspection certificate of compliance prior to energizing service.

3. When attaching conduit to a Fulton Electric System pole, customer shall use stand off brackets and terminate conduit two feet below the transformer or at a position determined by Fulton Electric System on primary and secondary installations. Stand off brackets will be furnished by FES, stand off conduit clamps will be furnished by the customer.

4. Red caution tape shall be placed at a depth of one foot below ground level for the entirety of the trench on all underground wire installations for safety precautions. FES will furnish caution tape for primary and secondary installations owned by the system.

5. All Fulton Electric System Fees must be paid prior to construction to Fulton Electric System.

Secondary Underground Installations

1. Customers desiring secondary single phase residential/commercial underground will be handled according to the following guidelines up to 125 feet or less of Underground service (measuring from the base of the pole to the structure) and 400 amps or less.

A. Customers desiring a new underground installation will be required to reimburse Fulton Electric System \$300.00 per service if direct buried or \$400.00 per service in ducts (if required by Fulton Electric System to be in ducts).

B. Customers desiring to change out an existing overhead service to underground will be required to reimburse Fulton Electric System \$500.00 per service if direct buried

or \$600.00 per service in ducts (if required by Fulton Electric System to be in ducts).

2. Customers desiring secondary single phase residential/commercial underground services longer than 125 feet (measuring from the base of the pole to the structure) and 400 amps or less will be required to reimburse Fulton Electric System an additional \$4.00 per foot direct buried or \$5.00 per foot in ducts. In addition to the initial 125 feet application under section (1) of secondary installations.
3. Customers desiring to relocate an existing underground service will be required to reimburse Fulton Electric System at a rate of \$6.00 per foot direct buried or \$7.00 per foot in ducts (if required by Fulton Electric System to be in ducts) of new service.
4. Customers desiring a secondary single phase residential/commercial underground service above 400 amps will be responsible for furnishing their own wire and conduct.
5. Customers desiring any secondary three phase residential/commercial underground will be responsible for furnishing their own wire and conduit.

Primary Underground Installations

1. Primary Conduit

- A. Customers shall be required to furnish and install all primary conduits.
- B. Conduit shall be (1) or (3) 2-inch galvanized rigid steel conduits or less otherwise stated by Fulton Electric System.
- C. When installing primary conduit parallel to water, sewer, cable tv or gas, there must be a minimum of 3- foot separation.
- D. No other utilities may be directly above the primary conduit.

E. When crossing the lines of other utilities, the primary conduit must be one foot below the other utilities or one foot above if encased in concrete.

F. Primary conduit must maintain a 48-inch depth. This depth shall be maintained after finished grade, including drainage ditches.

G. A pull string shall be provided in place for use in pulling the cable through the conduit. This string should be rated at least 95 pounds.

H. Customers may be required to add pull boxes or hand-holes in the conduit run for longer pulls.

2. Primary Cable

A. Primary cable may only be direct buried at the discretion of Fulton Electric System. See primary conduit for rules and installation procedure.

B. Fulton Electric System will only install and terminate primary cables and maintain primary connections that are owned by the system.

C. Only pad-mount transformers owned by Fulton Electric System will be maintained by the system.

D. Measurements: Measurements shall be measured from the base of the pole along the ditch to the transformer pad or adjacent pole (with a 100-foot minimum distance required).

- 1. Customers desiring new underground single-phase primary installations there will be a fee of \$2.00 per foot of new cable.**
- 2. Customers desiring to change existing over head single phase primary installations to underground there will be a fee of \$4.50 per foot of new cable.**

3. Customers desiring new underground three phase primary installations there will be a fee of \$6.00 per foot of new cable. "customers will be charged

for one run” (example: 120 feet from pole to pole or pad, as measured along the ditch, 120 ft x \$6.00 = \$720.00).

4. Customers desiring to change existing over head three phase primary installation to underground there will be a fee of \$7.50 per foot “customer will be charged for one run” (as above in section #3 under: measurements).

3. Concrete Transformer Pad

- A. Customer furnishes and installs all concrete transformer pads per Fulton Electric System specs.
- B. Pad shall be six inches thick and large enough to leave a minimum of ten inches in front and three inches on the sides and back of the transformer or trans-closure.
- C. Ground to be provided by and installed by the customer.
- D. Ground rod is to be at least 8 foot long.
- E. Ground shall be installed in accordance with the National Electric Code.
- F. More than one ground may be required.
- G. A spec sheet will be provided by Fulton Electric System with all dimensions for the pad