

## **Overhead/Underground Policy**

1. Customer or developer shall submit to Fulton Electric System a written plan for electrical 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 uses the National Electric Safety Code for all distribution and transmission clearance guidelines.
6. Fulton Electric System reserves the right to spot the location of all meter bases, transformer pads, service risers, hand-hole, and pole locations.
7. All drawings, plats or requests for underground service or questions are to be submitted to:

Fulton Electric System  
Attn. Line Crew Supervisor/General Manager  
501 Walnut Street  
Fulton, KY 42041

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

### **Customer Requirements for Overhead/Underground**

1. New or upgrading standard overhead meter bases will be furnished for total electric homes or businesses up to 400-amp (except for multi position or specialty meter cabinets). All other customer installations can purchase standard overhead and underground meter bases from FES up to 400 amp (same exception as above) or purchase from other vendors. Certain specifications do apply. Any existing meter base will not be replaced by FES if damaged or destroyed.
2. Customer shall submit a copy of the electrical inspection certificate of compliance prior to energizing service.
3. Obstructions, such as, structures, carports, driveways, sidewalks, etc..... shall not be allowed to be placed over any existing underground wires, which belong to Fulton Electric System (FES) unless they are enclosed in conduit and has been approved by FES. If wires are not enclosed inside of conduit, they must not be located within five feet of either side of the obstruction. Any customer that obstructs underground wiring without

approval from Fulton Electric System and have not abided by the set policies will be responsible for the full cost of relocating the underground wire.

4. When attaching conduit to a Fulton Electric System pole, customer shall use standoff brackets and terminate conduit two feet below the transformer or at a position determined by Fulton Electric System on primary and secondary installations. Standoff brackets will be furnished by FES, standoff conduit clamps will be furnished by the customer.
5. 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.

### **Customer Requirements for Overhead/Underground Transformers**

1. Any customer requesting a single or three phase Underground Distribution pad mount transformer will pay the cost difference of an Overhead (OH) transformer, and any other additional costs found for underground service, which is in our underground policy. (For example: a single phase 10 KVA Pad mount transformer costing \$5000 and a single phase 10 KVA OH transformer costing \$2500 would be a cost difference of \$2500 paid by the customer along with any additional charges.)
2. Any single-phase Underground Distribution pad mount transformer larger than 50 KVA as well as any three phase Underground Distribution pad mount transformer larger than 1000 KVA the customer will purchase and will be liable for any repairs, testing, etc.
3. Fulton Electric System (FES) will furnish up to three 500 KVA the customer will purchase and will be liable for any repairs, testing, etc.
4. Any customer requesting multiple pad mount transformers or multiple OH three phase transformer banks will be left up to the manager's discretion to determine costs at that time.
5. 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 eight 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.

### **Secondary Underground Installations**

1. Secondary Conduit
  - a. Customers shall be required to furnish all secondary conduit. Conduit can be purchased from Fulton Electric or from other vendors.

- b. Conduit shall be three-inch gray PVC schedule 40° below the ground level and schedule 80° above the ground or unless otherwise stated by Fulton Electric System (FES).
    - c. No other utilities wires or cables may be buried directly above or below the secondary cables.
    - d. When crossing the lines of other utilities, the secondary cables must be one foot above or below the other utilities.
    - e. Secondary cables must maintain a 36-inch depth. This depth shall be maintained after finished grade, including drainage ditches.
  2. Secondary Cable
    - a. Secondary cable may only be direct buried at the discretion of FES (see secondary conduit section for rules and installation procedures).
    - b. FES will only install and maintain secondary cables/connections that are owned by the Fulton Electric System.
  3. Secondary Cable Measurements
    - a. Customers desiring secondary single phase residential/commercial underground will be handled according to the following guidelines up to 100 feet or less of underground service (measuring from the base of the pole to the structure or adjacent pole) and 400 amps or less.
      - i. Customers desiring a new underground installation will be required to reimburse Fulton Electric System \$600.00 per service if direct buried or \$800.00 per service in ducts (if required by Fulton Electric System to be in ducts).
      - ii. Customers desiring to change out an existing overhead service to underground will be required to reimburse Fulton Electric System \$1000.00 per service if direct buried or \$1200.00 per service in ducts (if required by Fulton Electric System to be in ducts).
    - b. Customers desiring secondary single phase residential/commercial underground services longer than one hundred 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 \$6.00 per foot direct buried or \$8.00 per foot in ducts. In addition to the initial one hundred feet application under section (1) of secondary installations.
    - c. Customers desiring to relocate an existing underground service will be required to reimburse Fulton Electric System at a rate of \$8.00 per foot direct buried or \$10.00 per foot in ducts (if required by Fulton Electric System to be in ducts) of new service and if the relocation requires a pole to be set or relocated, the customer will be charged \$100 per pole set.
  4. Customers desiring a secondary single phase residential/commercial underground service totaling above 400 amps going to one metering point will be responsible for installation of their own wire and conduit.
  5. Customers desiring any secondary three phase residential/commercial underground will be responsible for installation of their own wire and conduit.

## Primary Underground Installations

### 2-1. 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 unless otherwise stated by Fulton Electric System.
- c. When installing primary cable 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 or below the primary cable.
- e. When crossing the lines of other utilities, the primary cable must be one foot below the other utilities or one foot above if encased in concrete.
- f. Primary cable 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 ninety-five pounds.
- h. Customers may be required to add pull boxes or hand-holes in the conduit run for longer pulls.

### 3-2. 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 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 \$4.00 per foot of new cable.
  2. Customers desiring to change existing overhead single phase primary installations to underground there will be a fee of \$7.00 per foot of new cable.
  3. Customers desiring new underground three phase primary installations there will be a fee of \$10.50 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 \$10.50 = \$1260.00).
  4. Customers desiring to change existing overhead three phase primary installation to underground there will be a fee of \$18.50 per foot “customer will be charged for one run” (as above in section #3 under: measurements).

### **Relocating Overhead Secondary Lines**

Customers desiring to relocate any existing overhead secondary line or guy wire on their property will be required to reimburse Fulton Electric System at a rate of \$3.00 per foot of additional: service, secondary, or guy wire used to complete the task as well as providing payment of \$100 due to the customers request for each pole and or down guy to be set or relocated. Poles that only contain guy wire and/or secondary low voltage lines will be in the overhead secondary category.

### **Relocating Overhead Primary Lines**

Any customer desiring to relocate the existing primary line and/or pole on their property will be required to reimburse Fulton Electric System for the cost of materials, labor, and truck hours needed to complete the requested task. Pricing will be determined based upon the standard costs for material, labor, and truck hours, per the work order system utilized by Fulton Electric System. Any pole that contains primary wire falls into this category.

### **New Construction of Overhead Lines**

Fulton Electric will furnish up to 500 feet of overhead primary and/or secondary wire, starting from the point of service, free of charge to any customer performing “New Construction” and wanting service. The customer will be responsible for anything beyond this point, which includes all cost of material, labor, and equipment that is needed to complete the service job. Pricing will be determined based upon the standard costs for material, labor, and truck hours, per the work order system utilized by FES.

### **Upgrading Existing Overhead Lines**

Fulton Electric will furnish up to 500 feet of overhead primary and/or secondary service wire, starting from the point of service, free of charge to any customer wishing to upgrade their current service to a service that moves the customer to a **higher GSA bracket**. If the customer falls into the same or lower bracket as before, the customer will be responsible for the cost of materials, labor, and truck hours needed to complete the upgrade. Pricing will be determined based upon the standard costs for material, labor, and truck hours per the work order system utilized by Fulton Electric System.