

TITLE: First Class Line Technician

EL/4

DEPARTMENT: Electric, City of Franklin

JOB SUMMARY: This position performs technical work in the installation, maintenance, and repair of the electric distribution system.

MAJOR DUTIES:

- o Climbs poles; operates bucket truck, trencher, back-hoe, and line truck; installs hardware, fuses, and transformers; pulls wire.
- o Assembles and fastens cross-arms on erection poles.
- o Maintains existing high and low voltage power lines.
- o Strings, splices, and solders wire and installs insulators on poles.
- o Uses hot-line equipment poles.
- o Replaces malfunctioning equipment on poles; installs and replaces poles.
- o Installs, repairs, and maintains underground and overhead service; trims trees.
- o Installs transformers and other auxiliary equipment.
- o Configures XMFs into banks to varied specified voltages.
- o Reconnects lines and fastens guy wires.
- o Installs and removes cross arms cutouts, lightning arrestors, primary and secondary lines, and span guys.
- o Carries out requisite ground work in preparation for and at the conclusion of a job and maintains appropriate records and files.
- o Locates and marks underground electrical wires when needed.
- o Terminates underground primary in XMFs and utility poles.
- o Operates primary and secondary fault finding equipment.
- o Remains on-call as assigned.
- o Troubleshoots power outages.

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- o Handles a variety of emergency problems.
- o Responds to after-hours emergencies.
- o Operates a substation.
- o Trains and prunes trees around power lines and cuts grass on rights-of-way.
- o Performs other related duties as assigned.

KNOWLEDGE REQUIRED BY THE POSITION:

- o Thorough knowledge of the practices, method, equipment, materials and tools used in the erection and maintenance of electric lines.
- o Thorough knowledge of the occupational hazards connected with the work and of safety precautions associated with the construction and maintenance of an electrical transmission and distribution system.
- o Skill in the operation of line trucks, bucket trucks, tension machine, pulling rigs, trenchers, backhoes, dump trucks, and other types of job related equipment.
- o Skill in the installation and repair of elevated power lines.
- o Skill in the installation and repair of underground power lines.
- o Skill in the use and care of assigned tools.

SUPERVISORY CONTROLS: The Line Technician Superintendent assigns work in terms of very general instructions. The supervisor spot-checks completed work for compliance with procedures and the nature and propriety of the final results.

GUIDELINES: Guidelines include the APPA safety manual, line codes, department procedures, and OSHA regulations. These guidelines require judgment, selection, and interpretation in application.

COMPLEXITY: The work consists of varied skilled technical duties. The need to work with high voltage electrical lines and at high elevations and in confined underground spaces contributes to the complexity of the position.

SCOPE AND EFFECT: The purpose of this position is to participate in the construction and maintenance of the distribution system. Successful performance in this position contributes to the efficient delivery of electric utilities to customers.

PERSONAL CONTACTS: Contacts are typically with other city personnel, business owners, home owners, contractors, representatives of other utility providers, and members of the general public.

PURPOSE OF CONTACTS: Contacts are typically to give or exchange information, resolve problems, and provide services.

PHYSICAL DEMANDS: The work is typically performed while intermittently sitting, standing, walking, bending, crouching, or stooping. The employee frequently lifts light and heavy objects, uses tools or equipment requiring a high degree of dexterity, climbs ladders and utility poles, and distinguishes between shades of color.

WORK ENVIRONMENT: The work is typically performed outdoors, occasionally in cold or inclement weather. The work requires the use of protective devices such as masks, goggles, or rubber gloves and sleeves.

SUPERVISORY AND MANAGEMENT RESPONSIBILITY: This position has functional supervision over Second Class Line Technicians and Lineman Trainees.

MINIMUM QUALIFICATIONS:

- o Knowledge and level of competency commonly associated with completion of specialized training in the field of work, in addition to basic skills typically associated with a high school education.
- o Experience sufficient to thoroughly understand the work of subordinate positions to be able to answer questions and resolve problems, usually associated with one to three years experience or service.
- o Possession of or ability to readily obtain a valid driver's license issued by the State of Virginia for the type of vehicle or equipment operated.