

ELECTRIC LINE TECHNICIAN – 1st CLASS

General Statement of Duties

Performs advanced journey level technical work in the construction, maintenance and repair underground and overhead lines in the electrical distribution and transmission system.

Distinguishing Features of the Class

An employee in this class performs advanced journey level technical work in the installation, maintenance and repair of electrical lines. Work is differentiated from lower levels of line work by the variety of more difficult secondary and primary high voltage line work and by serving as the lead in the absence of the supervisor in assigning and inspecting work, assuring compliance with safety rules and regulations, and training other line workers. Employee is expected to possess a thorough knowledge of standardized techniques and practices utilized in power line construction, maintenance, and repair. Judgment is utilized in determining the most appropriate work methods, locating and solving electrical problems, and observing safety standards. Work requires frequent on-call and callback responsibilities. The employee is subject to hazards associated with electrical work including working in both inside and outside environments, in extreme temperatures, and exposure to various hazards such as working at heights, loud noises, vibration, moving mechanical parts, electrical current, chemicals, fumes, odors, dusts, mists, gases, confined spaces, poor ventilation, and oils. Work is performed under general supervision and is reviewed in progress and upon completion for conformance to accepted standards and productivity.

Duties and Responsibilities

Essential Job Duties

Participates in the installation and alignment of power line poles; stringing primary and secondary lines; attaching wire to insulators and cross arms; installing, repairing, and replacing cross arms, supports, insulators, lightning arresters, and fuse cutouts.

Participates in the installation, construction, and repair of underground electrical systems by installing primary and secondary cables and transformers; by locating trouble spots in the cable span and taking necessary measures to excavate and correct; and by determining and replacing faulty equipment such as transformers.

Performs a variety of construction, repair and maintenance work in response to work orders.

Operates bucket equipment to ascend to high wires; operates line truck, trenchers and other heavy equipment.

Participates in making energized line taps and connecting wires; handles energized aspects of system independently.

Installs transformers, fuse cutouts, and reactors.

Transfers wire from old poles to new poles; installs metering equipment, and transfers lines from old to new poles.

Provides crew leadership in assigning work, insuring adherence to work standards, training crew members, and insuring productivity of the crew; may serve in the absence of the Supervisor.

Climbs poles when necessary; trims trees; participates in substation maintenance and circuit switching.

Participates in trouble-shooting power outages and leading in emergency repair.

Assists the public with information, service and problem-solving.

Reads meters and records readings; changes meters.

Additional Job Duties

Performs related duties as required.

Recruitment and Selection Guidelines

Knowledges, Skills, and Abilities

Thorough knowledge of the standard techniques and practices used in underground and overhead power line construction, repair, and maintenance work.

Thorough knowledge of the use and care of all tools, equipment, and supplies used in underground and overhead power distribution work.

Thorough knowledge of the hazards and safety precautions involved in power line work.

Considerable knowledge of the principles of electricity as related to transmission and distribution.

Ability to work on high voltage lines independently and to take precautionary measures to avoid accidents.

Ability to make effective decisions in emergency work conditions.

Ability to assign work, inspect work, train coworkers and insure safety precautions of crew.

Ability to understand oral and written instructions.

Ability to communicate effectively in oral and written forms and prepare work records.

Ability to use line worker's tools and operate required equipment.

Ability to maintain effective working relationships with the public, other employees, and supervisors.

Physical Requirements

Must be able to physically perform the basic life operational functions of climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, fingering, grasping, feeling, talking, and hearing.

Must be able to perform heavy work exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds constantly to lift objects.

Must possess the visual acuity to operate mobile equipment, monitor work site progress, perform skilled electrical tasks, and inspect and assemble small parts.

Desirable Education and Experience

Graduation from high school supplemented by training in electrical principles and experience at the electric line technician - second class level; or an equivalent combination of education and experience.

Special Requirement

Possession of a North Carolina commercial driver's license.

Possession of other certifications as determined by the Town.

Stantonsburg
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Special Note: This generic class description gives an overview of the job class, its essential job functions, and recommended job requirements. However for each individual position assigned to this class, there is available a job questionnaire with a physical abilities checklist which can give further details about that one specific position. Those documents should be reviewed before initiating a selection process. They can provide additional detailed information on which to base various personnel actions and can assist management in making legal and defensible personnel decision.