

0945 ELECTRICAL LINE TECHNICIAN I

Primary Reason Why Classification Exists

To perform semi-skilled heavy duty electrical work to install, maintain and repair electrical distribution, transmission, and underground systems serving the City of Morganton.

Distinguishing Features of the Class

An employee in this class provides semi-skilled electrical work in the installation, maintenance, and repair of overhead and underground electrical distribution systems. Emphasis of the work is on providing lesser skilled support functions to senior level Electric Line Technicians.

Employees are required to work with high voltage electrical wires in adverse weather conditions, requiring skill and care to protect the lives of employees and others. Work is performed under general supervision and work is evaluated on the basis of attainment of specific performance objectives, quantity and quality of work, feedback from crew members, initiative and dependability.

Illustrative Examples of Work

- Provides semi-skilled level electrical line technician work in the installation, maintenance and repair of the City's electrical distribution and transmission systems
- Installs and maintains streetlights, floodlights, and associated equipment in public areas; installs underground lines and associated equipment
- Troubleshoots work to locate the sources causing power failure; makes defined repairs and restores electrical service
- Uses hot sticks when working with live-lines on energized high-voltage electric power lines; tests voltage, tightens nuts and bolts, applies tie wires, opens and closes switches, replaces fuses, lays insulating sleeves on wires, and performs various tasks without exposing work crew to electric shock
- Maintains, inspects, tests, repairs and operates all transformers and other electrical equipment if working at substation
- Operates digger derrick, forklift and other construction equipment; operates special purpose line trucks and attached equipment; checks equipment daily to ensure they are operational and equipped to provide service
- Assists with relocating other utilities such as cable, telephone, and fiber optic lines when setting new poles for the City
- Clears rights-of-way by cutting and trimming trees and tree limbs; operates machine to grind limbs
- Performs related work as required

Knowledge, Skills and Abilities

- Knowledge of the methods, materials, tools and equipment used in electrical construction and maintenance work
- Knowledge of the principles of electricity as applied to power circuits, wiring diagrams, and plant operation
- Knowledge of the operation of aerial devices (Bucket Truck)
- Knowledge of the methods, materials, tools and equipment used in underground wire/transformer installation

- Skill in the use of tools, construction equipment and testing equipment used in installation and maintenance of electrical distribution and transmissions, substations, and allied equipment
- Ability to use common work tools and equipment such as 2-Way Radio, Bucket Truck/Pick-up, Backhoe, Trencher, Front End Loader, Laptop, Digger Derrick, Regulators/Controls, Testers/Relays/Switches, Meters/Metering Equipment, Various Electrical Equipment
- Ability to maintain effective working relationships with co-workers and subordinates
- Ability to understand and follow oral and written instructions and evaluate the work of less skilled personnel
- Ability to climb poles and work at various heights with high voltage wires and related equipment, exercising proper safety precautions.
- Ability to maintain good physical condition and health and sufficient physical strength and agility to perform heavy manual tasks
- Ability to work under varying weather conditions to include extremes in temperature and/or adverse conditions
- Ability to operate a personal computer and associated software
- Ability to communicate effectively with the public
- Ability to be on-call and work overtime (including weekends and holidays) as the needs of the City determines is required to meet operational needs and travel to varied locations as required

Physical Requirements

This is heavy work requiring the exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of force constantly to lift and move objects; physical requirements include climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, fingering, grasping, feeling and repetitive motion. Vocal communication is required for expressing or exchanging ideas by means of the spoken word; hearing is required to perceive information at normal spoken word levels; visual acuity is required for depth perception, preparing and analyzing written or computer data, visual inspection involving small defects and/or small parts, operation of machines, determining the accuracy and thoroughness of work, and observing general surroundings and activities.

Working Conditions

Work is performed primarily in an outdoor environment with constant exposure to varying weather conditions, high and low temperatures, electrical hazards, confined spaces, dirt, dust and fumes, and around hazardous machinery.

Education

Graduation from high school supplemented by completion of an Electrical Line Technician technology training program

Experience

One (1) or more years' experience working as a Line Technician I level with a municipal or private sector high voltage electrical distribution systems

Special Requirements

- Valid North Carolina CDL-A driver's license
- CPR, AED and First Aid
- Flagger

FLSA Status: Non-Exempt

Disclaimer

This classification specification has been designed to indicate the general nature and level of work performed by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities, and qualifications required of employees to perform the job. The City of Morganton reserves the right to assign or otherwise modify the duties assigned to this classification.

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