

LINEMAN APPRENTICE (I, II, III, IV)

JOB DESCRIPTION

Classification Responsibilities: A Lineman Apprentice is a trainee class used to prepare incumbents to perform highly skilled electrical work on energized and de-energized high-voltage (600V to 69,000V) and low-voltage (below 600V) lines and equipment through a four-year formal training program. The four-year training program includes on-the-job training, a classroom/home study curriculum, and formal written testing. Preparation involves training in all aspects of overhead and underground electric construction, operation, and maintenance. A Lineman Apprentice must demonstrate the ability to communicate verbally and in written form; must be knowledgeable of construction tools, equipment, and procedures; be able to perform math functions up to basic algebra; and be physically capable of climbing poles and towers and installing various equipment while being supported by a lineman climbing belt. This class is also responsible for performing related duties as required.

Distinguishing Features: Throughout the four-year training program, a Lineman Apprentice works under the direct supervision of a Line Foreman or Lineman to complete assigned tasks. Work involves moderate physical exertion, heavy lifting, and exposure to inclement weather, as well as the hazardous conditions of working with high-voltage energized lines and equipment. A Lineman Apprentice begins the four-year training program as a Lineman Apprentice I and will progress to Lineman Apprentice II, III, and IV by noncompetitive, criteria-based promotion after successfully completing required coursework, on-the-job training, testing, and satisfactory performance appraisals. A Lineman Apprentice is subject to call-out duty. This class is FLSA nonexempt.

QUALIFICATIONS

Employee Values: All employees of the City of Mesa are expected to uphold and exhibit the City's shared employee values of Knowledge, Respect, and Integrity.

Minimum Qualifications Required. Graduation from high school or GED. One year of experience in at least one of the following: heavy equipment operation; trenching for and installing underground pipe or conduit; pulling wire; or electric utility construction.

Special Requirements. Must possess a valid Class D Arizona Driver's License by hire or promotion date. Must possess an Arizona Class A Commercial Driver's License (CDL) within 30 days of hire or promotion date. Must reside within the City of Mesa Electric Utility call-out area (example: within an 18-mile radius of the Main Street and Center Street intersection) within one year after hire. Must have or be able to obtain by hire date, a valid First Aid card with Cardiopulmonary Resuscitation (CPR) certification.

Substance Abuse Testing. This class is subject to Department of Transportation (DOT) Federal Motor Carrier Safety Administration (FMCSA) drug and alcohol testing as outlined in 49 Code of Federal Regulations (CFR) Part 382.

Preferred/Desirable Qualifications. Prior electric utility construction or operation experience, current enrollment in a lineman apprentice program, or completion of a college or technical school program with an emphasis in the lineman trade is preferred.

ESSENTIAL FUNCTIONS

This position requires that incumbents learn to perform the essential functions of the Lineman class. Most of these essential functions can be learned through the successful completion of the Mesa Electric Utility Training Program for Lineman Apprentice.

Communication: Learns to communicate with customers in solving power problems and satisfying Electric Utility needs. Effectively communicates with other workers regarding instructions necessary to complete projects. Completes reports and forms related to requirements, time reporting records, and curriculum.

Manual/Physical: Works from elevated heights greater than ten feet (either climbing bucket trucks or platforms trucks), and climbs raised poles, ladders, and towers. Operates a motor vehicle requiring a standard Class D Arizona Driver's License to travel to work sites. Learns to operate boom trucks, bucket trucks, etc., requiring a valid Arizona Class A CDL to operate heavy equipment. Learns to operate various power-driven equipment (example: cranes, wire pulling devices, and excavation equipment, etc.) used in construction, maintenance, and operation of electric utility. Learns to operate common hand tools (example: hammer, pliers, screwdriver, wrench, etc.) and tools specific to the lineman trade (example: hoists, hotline stick, hotline clamp, ratchet cutter, etc.). Learns to operate and maintain various switching devices used in electric utility. Learns to use safety procedures and equipment associated with electrical hazards. Distinguishes colors to identify circuits and color-coded electrical connectors. Maneuvers equipment weighing up to 100 pounds using a cart or other aid to assist with the lifting. Sets up barricades and cones when working near moving traffic. Cleans work area and equipment. Works in a variety of weather conditions; in small, cramped spaces; and on or near high-voltage energized lines and equipment. Attends safety and other Electric Utility-related training.

Mental: Reads and interprets construction plans and schematics related to the installation of electrical power distribution lines. Analyzes voltage recordings, charts, and electric trouble reports to make recommendations on replacing or upgrading transformers, services, or related equipment. Determines the equipment, tools, materials, and manpower needed to complete assigned projects.

Knowledge/Skill/Abilities: (Knowledge/Skill/Abilities are obtained through the successful completion of the Mesa Electric Utility Lineman Apprentice Training Program.)

Knowledge of:

the methods, materials, and equipment used in the lineman trade;
electrical theory and practices;
Arizona Blue Stake Law; and
the occupational hazards and safety precautions of the trade.

Skill in the use of the tools and equipment commonly used in the lineman trade (example: hoists, hotline stick, hotline clamp, ratchet cutter etc.).

Ability to:

use the safety procedures and equipment associated with working on high-voltage electrical lines and equipment;

perform the physical requirements of the position;

understand and follow verbal and written instructions; and

establish and maintain effective working relationships with management, coworkers, other City employees, and the general public.

The duties listed above are intended only as general illustrations of the various types of work that may be performed. Specific statements of duties not included does not exclude them from the position if the work is similar, related, or a logical assignment to the position. Job descriptions are subject to change by the City as the needs of the City and requirements of this job change.

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MR/js/yf

CS4182.DOCX (Lineman Apprentice I) PAY GRADE: 47

CS4296 (Lineman Apprentice II) PAY GRADE: 49

CS4311 (Lineman Apprentice III) PAY GRADE: 51

CS4492 (Lineman Apprentice IV) PAY GRADE: 53

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JOB FCTN-TRA SWORN-No

INCREMENTS:

(Lineman Apprentice I): 182-200

(Lineman Apprentice II): 191-200

(Lineman Apprentice III): 195-200

(Lineman Apprentice IV): 195-200