

LINEMAN

JOB DESCRIPTION

Classification Responsibilities: A Lineman performs highly skilled, journey-level transmission, distribution, and electrical work in the installation, construction, maintenance, and repair of underground and overhead electric transmission, distribution and service lines, transformers, meters, metering equipment, electrical substations, and related equipment. Other duties include climbing wood poles, ladders, and towers. This class is responsible for performing related duties as required.

Distinguishing Features: 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. The Lineman class differs from the Line Foreman class by the latter having supervisory responsibility for crews of linemen, equipment, materials, and recordkeeping duties. This class usually works under the supervision of a Line Foreman, who reviews work through on-site inspection and the evaluation of completed work projects. Employees are subject to stand-by, pre-arranged, and 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. Completion of an apprenticeship program in the lineman trade. Some (6 months - 1 year) experience as a journey-level lineman engaged in the installation, maintenance, and repair of power lines, transformers, or related equipment.

Special Requirements. Must possess a valid Arizona Class A Commercial Driver's License (CDL) by 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 date. Must have a valid First Aid card with Cardiopulmonary Resuscitation (CPR) certification or be able to obtain one by hire date.

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. None.

ESSENTIAL FUNCTIONS

Communication: Communicates with customers in solving power problems and satisfying electric utility needs. Conducts safety and other electric utility-related training. Completes reports and forms related to assigned projects. Maintains time reporting records of the crew.

Manual/Physical: Inspects work to determine and ensure compliance with prescribed operating and safety standards. Uses the safety procedures and equipment associated with electrical hazards.

Establishes and maintains electric line clearances with other utilities. Installs the following: high-voltage connectors; transformers and switches in manholes and vaults; securing equipment and cables; and various service lines, power poles, meters, and metering devices. Operates boom trucks, bucket trucks, etc., requiring a valid Arizona Class A CDL to operate heavy equipment. Operates power-driven machinery such as hydraulic compression pumps, chain saws, jackhammers, etc. Operates switches and related equipment. Uses common hand tools to construct and maintain overhead and underground power lines. Installs personal protective grounds. Removes broken or defective conductors. Assists in constructing and wiring electrical high-voltage substations. Installs and terminates underground high-voltage cable between manholes and vaults. Works from elevated heights greater than ten feet (example: in bucket or platform truck) to install equipment or connectors. Climbs wood poles, ladders, and towers on a daily basis and/or continuous basis as required or determined by supervisor. Trims trees from around energized electrical power lines. Distinguishes colors to identify circuits and color-coded electrical connectors. Detects natural gas leaks when working on underground cable. Moves objects (switches, connectors, etc.) weighing up to 100 pounds, using a cart or other aid to assist with the lifting. Sets up traffic 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 and near high-voltage energized lines and equipment. Uses a personal computer (PC) and laptop PC for reports, basic Geographic Information System (GIS) access to maps and data, email, routine office applications for personnel reviews, and other purposes. Meets scheduling and attendance requirements.

Mental: Reads and interprets construction plans and schematics related to the installation of electrical power distribution lines. Prioritizes own work assignments. Comprehends and makes inferences from written material. 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. Learns job-related material through on-the-job training and in classroom settings.

Knowledge/Skills/Abilities:

Knowledge of:

the methods, materials, and equipment used in the lineman trade;
electrical theory and practices;
Arizona Blue Stake Law; and
must understand and be thoroughly knowledgeable of all Safety Rules of the trade including American Public Power Association (APPA), Occupational Safety and Health Administration (OSHA) 1910.269, and applicable Arizona State Safety Rules.

Skills in:

pole top, bucket, and vault rescue;
the use of the tools and equipment commonly used in the lineman trade; and
PC operations, and basic GIS and office applications software.

Ability to:

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

assume the duties of the Line Foreman as required;
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 do 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 the job change.

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EEO-SCW

JOB FCTN-TRA

INCREMENTS 197-200

PAY GRADE: 56

IND-7539

SWORN-No