



City of Gunnison

Job Description

Job Title:	Electric Lineman		
Department:	Public Works Department	Division:	Electric
FLSA Status:	Non-Exempt	Position Status:	Full-Time
Date Updated:	12/1/2019	Job Physical Level:	Strenuous

General Purpose:

Performs technical and manual work in the installation, maintenance, and repair of electrical distribution systems for the City.

Essential Duties and Responsibilities:

The following duty statements are illustrative of the essential functions of the job and do not include other non-essential or marginal duties that may be required. The City reserves the right to modify or change duties or essential functions of this job at any time.

Erects and repairs distribution power lines, all structures, equipment, and materials associated with system performance.

Reads electric meters, distributes shut off notices, and performs disconnects as needed.

Inspects electric power lines including steel towers and wood poles, both from vehicles and on foot. Inspects system for woodpecker damage, cracked or damaged crossarms and x-braces, loose bolts, broken insulators, missing vibration dampers, broken or worn conductors, cotter keys, etc.

Maintains records of findings while patrolling on conditions of poles, crossarms, insulators, guy wires, access roads and anchors. This includes test results, inspection results, and time, vehicle, and material usage.

Complies with prescribed clearance procedures and safety rules and regulations. Recognizes safety hazards and unsafe conditions, and initiates action to alleviate or eliminate hazards.

Safely operates heavy equipment associated with power system maintenance. Heavy equipment includes line trucks, tractor-trailer combinations, aerial manlifts, trucks, loaders, diggers, motor graders, cranes, crawler tractor, snow vehicles and snow plows normally used in construction and maintenance activities of distribution line, substation and communication facilities.

Safely operates light equipment associated with power system maintenance, including such equipment as wire pullers, tensioners, phase rotation meters, voltmeters, ammeters, and hand tools.

Participates in construction and repair of substation structures such as transformers, breakers, switches, etc.

Performs incidental concrete work such as placing reinforced footing at the base of towers.

Erects and climbs radio towers to repair antennas, replace jumpers, relamp warning lights, etc.

Maintains right-of-way along transmission lines by trimming trees, applying soil sterilants, installing access gates on fenced property, etc.

Installs and replaces poles, cross arms, line hardware, lightning arrestors and auxiliary equipment. Strings overhead and underground conductors; splices wire or conductor when broken; replaces poles; and works on energized lines requiring the use of hotline tools and bare hand techniques. Assists Superintendent in scheduling and coordinating power outages when necessary.

Performs switching in high voltage substations and distribution lines and receives clearance and hotline orders. Reads meters in substations and records readings.

Performs wiring of electric meters and current transformers.

Locates electric lines.

Operates fault-finding equipment.

Strings overhead and underground telecommunications conductors including fiber optics.

Performs miscellaneous street cuts and street patch repair from time to time.

Operates chain saw or similar equipment in tree removal or limb trimming.

Assists other departments as needed including snow plowing and snow hauling operations.

Other Duties and Responsibilities:

Performs other duties as required.

Job Qualifications

Required Education and Experience:	High school diploma or GED. Graduation from hot-line school or equivalent. One (1) to Four (4) years of experience in the repair, maintenance and construction of electric distribution systems.
Other Necessary Requirements:	Must possess a valid Colorado CDL driver's license. Must meet City residency requirement.

<p>Necessary Knowledge, Skills and Abilities:</p>	<p><u>Knowledge:</u></p> <p>Electrical Transmission - Thorough knowledge of principles of electricity as they relate to direct current, alternating current, multi-phase current, dielectric and conductive properties of materials, series and parallel circuits, voltage drop problems, wire size selection and ampacity. Demonstrated familiarity with electrical equipment such as circuit breakers, transformers, and electric motors. Knowledge of high voltage transmission line maintenance and safety procedures.</p> <p>Equipment and Mechanical - Demonstrated ability to operate various pieces of heavy equipment used in distribution system maintenance.</p> <p><u>Skills:</u></p> <p>Customer Service - Demonstrated public relations and customer service skills in dealing with customers, fellow employees and supervisors. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.</p> <p>Active Listening — Giving full attention to what other people are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times. See more occupations related to this skill.</p> <p>Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems. See more occupations related to this skill.</p> <p>Operation Monitoring — Watching gauges, dials, or other indicators to make sure a machine is working properly. See more occupations related to this skill.</p> <p>Troubleshooting — Determining causes of operating errors and deciding what to do about it.</p> <p><u>Abilities:</u></p> <p>Ability to be certified to perform hot stick and/or live line bare hand maintenance procedures.</p> <p>English Language Comprehension - Requires the ability to listen to, read, understand and communicate the English language so that others are able to understand. This must be done both orally and in writing, at the level appropriate for the position held.</p> <p>Computers - Ability to operate computer based programs as related to metering and sub-station reclosers.</p> <p>Following Instruction and Getting Information - Demonstrated ability to read and apply instructions, safety manuals, specifications, and switching diagrams.</p>
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	<p>Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects. Observing, receiving, and otherwise obtaining information from all relevant sources.</p> <p>Operation of Tools and Equipment - Demonstrated ability to use and maintain power tools, hand tools, and line maintenance equipment such as drills, jackhammers, chain saws, hot sticks, cable splicers, aerial man lifts, and climbing gear. Demonstrated ability to operate various pieces of heavy equipment used in distribution system maintenance.</p>
Working Conditions	
Work Environment:	<p>The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.</p> <p>This position spends the majority of its time in an outdoor environment or in equipment utilized in electrical distribution repair and maintenance. The incumbent may be frequently exposed to weather elements and temperatures and construction site risks. Incumbent may be occasionally exposed to hazardous materials.</p>

<p>Physical Activities:</p>	<p>The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.</p> <p>While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; use hands to finger, handle, or feel objects, tools, or controls; and reach with hands and arms.</p> <p>Ability to lift, carry, push, or pull burdens in excess of 50 pounds.</p> <p>Must be able to climb to, and effectively work at, heights of up to 60 feet.</p> <p>Must be able to work in underground locations, in confined spaces, and in conditions of minimal light.</p> <p>Ability to perform physical activities requiring continual walking, sitting, and standing. Ability to frequently perform physical activities such as climbing, crawling, bending, stooping, and reaching in the performance of maintenance and repair duties.</p> <p>Visual and physical abilities to safely operate a motorized vehicle in a variety of road and travel conditions.</p> <p>Must be able to smell noxious fumes of exhaust or chemicals.</p> <p>Specific vision abilities required by this job include close vision and the ability to adjust focus.</p>
<p>Tools and Equipment Used:</p>	<p>The following tools list is not all-inclusive, but is a representative sampling of tools that may be required in the course of the Electric Crew Leader's work with the addition of a variety of small hand tools.</p> <ul style="list-style-type: none"> Air compressors Articulating boom lift — Bucket trucks Augers Backhoes Blocks or pulleys — Block and tackle equipment Cable reels — Reel jacks; Tension machines Circuit breakers — Load break tools Circuit tester — Continuity meters Circuit tracers — Line tracers Conventional truck cranes — Truck-mounted cranes Detection apparatus for non metallic objects — Non-metallic NM cable locators Electrical power sensors — Charge-actuated spiking tools Electrical resistance or conductance sensors — Ground testers Extension pole — Pike poles

