



Department: Electric
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FLSA Status: Non-Exempt
Prepared Date: December 2016

JOB TITLE: Electric Troubleman

SUMMARY:

Under the general supervision of the Electric Operations Manager, the Electric Troubleman has the craft qualifications of an Electric Lineman and performs alone any work in connection with providing and maintaining service to the public. Such as installing electric services and all types of meters; replacing line and equipment fuses; patrolling; switching; restoring service on “no light”, “no power” and “no water” calls; minor servicing and repairing of customer’s equipment; operating substations, inspection for proper function and performing minor repairs; maintenance and adjustments to City facilities.

ESSENTIAL DUTIES AND RESPONSIBILITIES LISTED BY PRIORITY/FREQUENCY:

- To perform this job successfully, an individual with general supervision must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.
- Respond to trouble calls relating to the electrical utility.
- Meter sets and outs.
- Switching in field and substations.
- Make hot underground secondary splices.
- Perform underground locates of electrical lines for digging of all types.
- Check substations for any visible problems.
- Read substation reports and make reports.
- Responds to emergency calls for electric line and transformer repair and restores service to customers.
- Energize new transformers.
- Make electrical outage reports.
- Constructing and maintaining all aspects of distribution and transmission electrical systems.
- Install, operate and maintain power system substations and transmission lines.
- Remove and/or install poles, towers, and other support structures.
- Remove and/or install anchors, guy wires.
- Install or replace cross arms and overhead conductor, etc.
- Moves and works in confined spaces, in awkward spaces, and on uneven surfaces.



- Work on energized conductors using rubber glove and/or hot stick techniques.
- Install, repair, maintain, and/or splice primary and secondary underground conductors and other cable.
- Switching, setting, installing and removing meters.
- Trims trees and brush to clear electric system right of ways.
- Install, repair, replace, maintain, and/or remove street lights and make out appropriate reports.
- Install, repair, replace, and/or remove both overhead and underground transformers, capacitor banks, switches, boxes, connectors and other line apparatus.
- Read work orders, switching orders, circuit maps, and note job changes on maps
- May be required to patrol and troubleshoot City's electrical system.
- Performs rigging assignments.
- Organizes, cleans and stores tools and materials.
- Operates large tools such as hydraulic, air, pneumatic and gasoline equipment weighing up to 90 pounds.
- Uses various hand tools weighing up to 30 pounds.
- Loan and unload materials, equipment and tools.
- May perform meter man duties.
- Perform other duties as assigned.

Possess the ability to:

- Drive and operate digger derricks, bucket trucks, fork lifts, boom trucks and pole dollies;
- Operate wire pullers and other associated line equipment;
- Climb up and down poles and other steel/wood structures;
- Work at any height in fair or adverse weather conditions;
- Work alone and troubleshoot the City's electrical system, making repairs in a safe, timely manner;
- Effectively interact with the public and employees;
- Apply appropriate and adequate safety procedures;
- Read drawings, profiles, maps and charts;
- Place and remove traffic control equipment, direct and control traffic;
- Locate and repair problems in a safe, timely and efficient manner.

Possess knowledge of:

- City safety rules;
- California State general orders 95 and 128;
- Cal OSHA safety regulations and high voltage safety orders;
- Hazards associated with working on or in proximity to energized high voltage conductors and devices;
- Distribution maps of the City electrical power system;
- Switches and switching procedures for safe performance;



- Practices, techniques and procedures of power system maintenance and operation.

MINIMUM QUALIFICATIONS, EDUCATION, AND EXPERIENCE:

- High school diploma or general education degree (GED);
- Three-year City-approved apprentice program;
- Minimum of five years progressively responsible work as a Journeyman lineman (post-apprenticeship) experience desirable.

CERTIFICATES, LICENSES, REGISTRATIONS:

- Must have (or be able to obtain within 3 months) a California Commercial Class A driver's license.
- Completed a certified rubber glove training program.
- CPR and AED certification.

Every individual holding this position must possess and maintain all certificates, licenses and registrations required by law at the current time or in the future.

PHYSICAL DEMANDS:

- Sitting, standing, stooping, walking, climbing, grasping, lifting, crouching, crawling, manual dexterity, clear speech, clear hearing, clear seeing and driving.
- Required to climb or balance and perform work which involves lifting, pushing and/or pulling of objects which approximate 75 pounds.
- 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.

WORK ENVIRONMENT:

- Regularly is exposed to high, precarious places and works in environmental conditions.
- Exposed to extreme outside weather conditions.
- Risk of electrical shock.
- Works with various outside conditions that may include animals, insects, poison oak, toxins, chemicals and fire.
- Occasionally exposed to moving mechanical parts, fumes or airborne particles, and toxic or caustic chemicals.
- Noise level in the work environment is usually moderate.
- 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.