

ELECTRIC LINE TROUBLESHOOTER

DEFINITION

To independently perform skilled electrical repair work in the construction and maintenance of underground and overhead electrical transmission and distribution lines; and to act as first-responder to emergency calls and determine cause of electrical distribution malfunctions and power outages.

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from the Line Construction Supervisor.

May exercise technical supervision over other technical electrical staff as appropriate.

EXAMPLES OF ESSENTIAL DUTIES - Duties may include, but are not limited to, the following:

Respond to calls for emergency service and repairs; determine cause of power malfunctions and outages; make infrared and other inspections to determine appropriate course of action.

Determine necessary repair work and equipment to resolve the problem; call out additional electric staff as required; make reports about condition of lines and equipment during emergency conditions.

Climb poles, splice and repair energized lines; construct new overhead and underground transmission and distribution lines.

Set poles, install cross arms and breakers; string, pull, dead end and energize primary and secondary wires; mount, bus and energize transformers and capacitors; install switches, cutouts, lighting arresters, insulators, street lamps and other equipment on overhead lines.

Install and mount switches, transformers, cable, risers, potheads, substructures, conduits and underground circuits; run service lines from poles to consumer's premises.

Connect, disconnect and replace service loops; build bypass lines; phase in and cut in new circuits; pull and terminate underground cables; as necessary transfer power to another switch to isolate the problem and maintain electric service for customers.

Inspect and test poles, lines and other facilities; locate underground cables and facilities; mount street light standards, heads and electrical control devices.

Trim trees to clear wires; operate aerial bucket truck and high ranger.

Maintain and repair switching gear, transformers and related substation equipment as necessary.

Respond to non-emergency service calls; read and install electric meters; connect electric services for new customers; and disconnect services as required.

Build and maintain positive working relationships with co-workers, other City employees and the public using principles of good customer service.

Perform related duties as assigned.

MINIMUM QUALIFICATIONS

Knowledge of:

Principles and procedures of electric distribution system troubleshooting.

Principles of electric theory as applied to circuits and wiring systems.

Methods, procedures, materials and tools used in electrical installation and maintenance.

Safe work practices.

Department policies and procedures.

Principles and procedures of record keeping.

Ability to:

Independently perform skilled electrical repair work in the construction and maintenance of underground and overhead electrical transmission and distribution lines.

On a continuous basis, know and understand operations, and observe safety rules; intermittently analyze problem equipment; identify and locate equipment; interpret work orders; remember equipment location; and explain jobs to others.

Intermittently, sit while studying or preparing reports; reach, bend, squat, climb, kneel and twist when repairing or installing equipment; perform simple and power grasping, pushing, pulling, and fine manipulation; and lift or carry weight of 50 pounds or less.

Perform complex electrical troubleshooting, installation and repair work.

Perform work a considerable distance above the ground among high tension lines.

Identify system defects and recommend appropriate corrective action.

Prepare and maintain simple records of activities.

Work assigned shift schedules; be available for call-back and on-call assignment.

Work unusual and prolonged work schedules during emergencies, seasonally-caused circumstances in varying weather and temperature conditions.

Communicate clearly and concisely, both orally and in writing

Establish and maintain effective working relationships with those contacted in the course of work.

Experience and Training

Any combination of experience and training that would provide the required knowledge and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

Experience:

Two years of responsible experience performing duties similar to an Electric Line Technician with the City of Roseville.

AND

Training:

Equivalent to completion of the twelfth grade and completion of a recognized power line apprenticeship program.

License and Certificate

Possession of, or ability to obtain, a valid California class A driver's license.

Possession of, or ability to obtain, First Aid and cardiopulmonary resuscitation (CPR) certificates.

02-09-13 Electric Line Troubleshooter

5-18-09

3-1-06

03-16-98

04-13-95

10-01-88

03-01-88

01-11-82

Electric Line Troubleshooter

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03-10-80 Line Troubleshooter