

JOURNEYMAN LINEMAN

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

JOB OBJECTIVES

To perform technical duties in the maintenance, construction and repair of the electrical distribution system and associated facilities; to install new electric services to residential and commercial customers; to install overhead transmission lines and underground electric distribution facilities; to provide assistance in installing, testing, repairing and calibrating substation equipment; and to perform a variety of technical tasks relative to assigned areas of responsibility.

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from higher level staff.

ESSENTIAL JOB FUNCTIONS

The following tasks are typical for positions in this classification. Any single position may not perform all of these tasks and/or may perform similar related tasks not listed here:

1. Perform technical duties in the maintenance, construction and repair of the electrical distribution system and associated facilities.
2. Perform work on energized electrical conductors and equipment; install, remove and maintain poles, hardware, cross-arms, insulators, guying equipment and anchors; string wire; install or remove transformers and electrical devices.
3. Install underground electric distribution facilities; install cables, wires, services, transformers, switches and other systems; trench and backfill; splice cables.
4. Respond to power system outages; locate and repair trouble in overhead or underground high and low voltage lines; replace fuses; perform switching functions to transfer loads as required.
5. Install new electric services to residential and commercial customers.
6. Assist in testing and calibrating all meters on the City's computerized meter calibration system.
7. Assist in installing, maintaining and repairing all types of electric meters and associated components including instrument transformers, test switches and related wiring.
8. Assist in installing, testing, repairing and calibrating sub-station equipment; and electrical/mechanical equipment in City buildings and facilities; equipment includes motors, test instruments, street lights, relays, recording meters and related devices.
9. Build, operate and maintain City-owned portions of sub-stations.
10. Install overhead services including street lights; trim and remove trees.
11. Read and interpret electrical system maps and drawings; review changes with operations and engineering staff.
12. Conduct regular inspections to ensure safe operation of the distribution system.

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13. Perform related duties and responsibilities as required.

QUALIFICATIONS

Knowledge of:

Operations, services and activities of an electric utility construction, maintenance and repair program. Modern standards, methods and procedures involved in the maintenance, construction and repair of electric distribution systems.

Method and techniques of overhead and underground power line construction and maintenance.

Basic electric distribution design practices and concepts as they relate to line construction and maintenance.

Occupational hazards and standard safety precautions.

Operational characteristics of a variety of maintenance and repair tools and equipment used in electric distribution systems.

Basic electrical meter theory, practices and devices.

Typical control systems and wiring utilized in electrical substation equipment.

Basic methods and techniques of calibrating a variety of electrical and electronic equipment.

Operational characteristics of diagnostic equipment tools and devices.

Pertinent Federal, State and local laws, codes and regulations.

Ability to:

Perform journey level electric distribution system construction, maintenance and repair duties.

Climb poles and work with energized high tension lines.

Install, repair and maintain a variety of overhead and underground distribution/transmission lines and associated facilities.

Perform heavy manual labor.

Install, maintain and repair electric equipment.

Utilize a variety of tools and equipment in a safe manner.

Read, interpret and understand electric drawings and maps.

Identify energized and de-energized conductors.

Adhere to established safety rules, regulations and guidelines.

Respond to requests and inquiries from the general public.

Communicate clearly and concisely, both orally and in writing.

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

Education and Experience Guidelines

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

Education:

Equivalent to completion of the twelfth grade supplemented by specialized training in electric transmission line construction, maintenance and repair.

Experience:

Three years of increasingly responsible experience in electric utility maintenance and repair.

License or Certificate

Possession of an appropriate, valid Class A commercial driver's license.

Possession of an appropriate, valid journeyman lineman certificate.

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PHYSICAL DEMANDS AND WORKING CONDITIONS

The physical demands herein 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 these essential job functions.

Environment: Field environment; travel from site to site; work underground or on overhead power lines, on slippery surfaces; exposure to high voltage power lines, construction equipment, inclement weather conditions, noise, dust, and gases.

Mobility: Incumbents require sufficient mobility to perform moderate or heavy lifting; to walk, stand or sit for prolonged periods of time; to climb power poles; and to operate motorized equipment and vehicles.

Vision: Vision sufficient to distinguish colors, read small print and operate assigned machinery and equipment.