APPRENTICE 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 assist in performing technical duties in the maintenance, construction and repair of the electrical distribution system and associated facilities; to learn to install new electric services to residential and commercial customers; to assist in installing overhead transmission lines and underground electric distribution facilities; and to perform a variety of technical tasks relative to assigned areas of responsibility.

SUPERVISION RECEIVED AND EXERCISED

Receives immediate 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. Learn to perform technical duties in the maintenance, construction and repair of the electrical distribution system and associated facilities.

2. Provide assistance to work conducted 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. Assist in installing underground electric distribution facilities; install cables, wires, services, transformers, switches and other systems; trench and backfill; splice cables.

4. Install overhead services including street lights.

5. Respond to power system outages; assist in locating and repairing trouble in overhead or underground high and low voltage lines; replace fuses; perform switching functions to transfer loads as required.

6. Participate in installing new electric services to residential and commercial customers.

7. Participate in building, operating and maintaining City-owned portions of sub-stations.

8. Read and interpret electrical system maps and drawings.

9. Perform related duties and responsibilities as required.

QUALIFICATIONS

Knowledge of:

Operations, services and activities of an electric utility construction, maintenance and repair program.

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

**Ability to:**
Provide assistance in distribution system construction, maintenance and repair duties.
Climb poles and work with energized high tension lines.
Learn to install, repair and maintain a variety of overhead and underground transmission lines and associated facilities.
Learn modern standards, methods and procedures involved in the maintenance, construction and repair of electric distribution systems.
Learn method and techniques of overhead and underground power line construction and maintenance.
Perfom heavy manual labor.
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.

**Experience:**
One year utility construction, maintenance and repair experience.

**License or Certificate**
Possession of an appropriate, valid driver’s license.

**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.