

CITY OF COLTON
**POWER LINE TECHNICIAN/
POWER LINE TECHNICIAN APPRENTICE**

DEFINITION:

Under the supervision of the Line Crew Supervisor, perform a variety of duties and assignments assigned to classes in the Power Line Technician series including installing, servicing, and maintaining overhead and underground electrical lines and distribution system equipment; learn and demonstrate a full understanding of all applicable policies, procedures and work methods associated with assigned duties; occasionally assist in the training of lower level Power Line Helper or apprentice positions; performs a variety of other tasks in support of assigned area of responsibility.

DISTINGUISHING CHARACTERISTICS:

Power Line Technician

The **Power Line Technician** is the journey level class responsible for the installation and maintenance of electric utility power lines. This classification is distinguished from the classification of Power Line Helper by the performance of journey level electrical technician work. It is distinguished from the Power Line Technician Apprentice in that it performs assigned responsibilities independently with minimal supervision.

Power Line Technician Apprentice

The **Power Line Technician Apprentice** is a trainee level class responsible for the installation and maintenance of electric utility power lines. This classification is distinguished from the classification of Power Line Helper by the successful enrollment and participation in an apprentice level course work program. It is distinguished from the journey level Technician classification by the fact that the incumbents are currently enrolled in apprentice course work which takes a minimum of three and one-half years to complete. Upon successful completion of the apprenticeship program the employee is eligible for appointment to the Power Line Technician class.

Note: Incumbents in this classification are subject to the Alcohol/Drug Testing requirements of the Department of Transportation.

SUPERVISION EXERCISED:

May occasionally exercise technical supervision over Power Line Helper and apprentice staff.

ESSENTIAL FUNCTIONS: *(include but are not limited to the following)*

- Install and maintain overhead and underground electrical lines.
- Dig holes and set poles; replace broken poles.
- Install or replace cross-arms, pins and insulators.
- Install and maintain switches, fuse cutouts, and lighting arresters.
- Install guy wires and anchors.
- Install and maintain transformers for overhead and underground systems.
- Install and maintain underground conduits and vaults.
- Install, maintain and repair underground electric cables.
- Install risers, potheads and underground splice connectors.

- Install and repair junctions and splices on underground cables.
- Install and maintain street lighting system.
- Operate electrical meter, line truck, and bucket trucks.
- Operate forklifts and backhoes.
- Trim trees to clear electric wires.
- Work on energized high voltage lines.
- Utilize rubber gloves and hot stick techniques.
- Perform emergency stand-by and response duties.
- Climb wooden poles to perform work.
- Perform other related duties as required.

WORKING CONDITIONS:

Position requires sitting, standing, walking on level and slippery surfaces, reaching, twisting, turning, kneeling, bending, stooping, squatting, crouching, grasping and making repetitive hand movement in the performance of daily duties. The position also requires both near and far vision when inspecting work and operating assigned equipment. The need to lift, carry and push tools, equipment and supplies weighing 25 pounds or more is also required. Additionally, the incumbent in this outdoor position works in all weather conditions including wet, hot, and cold. The incumbent may use cleaning and lubricating chemicals which may expose the employee to fumes, dust and air contaminants. The nature of the work also requires the incumbent to climb ladders, work in confined spaces, use power and noise producing tools and equipment, drive motorized vehicles and heavy equipment, work in heavy vehicle traffic conditions and often work with constant interruption.

QUALIFICATIONS:

Education and/or Experience:

Power Line Technician

Any combination of education and experience that has provided the knowledge, skills and abilities necessary for a Power Line Technician. A typical way of obtaining the required qualifications is to possess the equivalent of one to two years as an entry level Power Line Helper and three and one-half years in an apprentice program. A high school diploma or equivalent is required.

Power Line Technician Apprentice

Any combination of education and experience that has provided the knowledge, skills and abilities necessary for a Power Line Apprentice Technician. A typical way of obtaining the required qualifications is to have successfully completed a utility pole climbing course and possess the equivalent of one to two years as an entry level Power Line Helper with the City of Colton or related experience. Applicable electric course work may be used to substitute for one year of experience (30 semester or 45 quarter units). A high school diploma or equivalent is required.

License/Certificate:

Power Line Technician

Possession of a valid Class A California driver's license.

Power Line Technician Apprentice

Possession of a valid Class "C" California driver's license.

Possession of or the ability to obtain, within three (3) months of date of hire, a valid Class "A" California driver's license.

KNOWLEDGE/ABILITIES/SKILLS:

Knowledge of:

Operations and standard operating procedures of an electric utility power line program.

Complex principles and practices of journey level electrical technician work.

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

Occupational hazards and standard safety practices.

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

Utilize rubber gloves and hot-stick techniques.

Proper English, spelling and grammar.

CPR and First Aide.

Basic principles of mathematics.

Ability to:

Courteously respond to community issues, concerns and needs.

Apply applicable laws, codes and regulations.

Understand and follow instructions.

Make adjustments to standard operating procedures as is appropriate.

Work in conditions requiring attention to detail.

Establish and maintain effective working relationships.

Skill to:

Safely operate motor vehicle on City Streets.

Effectively operate the tools of the trade.

APPROVED BY COUNCIL: February 17, 1998

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