



Title: **ELECTRICIAN-APPRENTICE**

Salary Code: 18
Effective Date: 06/01/09
FLSA Designation: Nonexempt

GENERAL DESCRIPTION

Under the supervision of the Supervisor of Electrical Maintenance, performs routine electrical repair and maintenance assignments and assists in the more complex electrical work. Electrician-Apprentice is an entry level classification. Ability to communicate effectively is required.

EXAMPLES OF WORK PERFORMED

The information listed below is meant to serve as samples of the job duties and responsibilities for positions in this classification. This list is neither inclusive nor exclusive, but indicative of several types of duties performed.

1. Disassembles, inspects, cleans, repairs, tests and installs electrical motors, electromechanical devices, controls, contacts, switches and other electrical equipment and components.
2. Installs conduits and pulls wire.
3. Troubleshoots and repairs buried communication cables.
4. Performs routine electrical preventive maintenance.
5. Troubleshoots, repairs, and calibrates telemetry equipment and revenue power meters.
6. Installs and maintains lighting fixtures, outlets and heating, ventilation and air conditioning equipment.
7. Learns to perform major and complex overhaul, electrical troubleshooting and installation work.
8. Records power meter readings.
9. Assists with troubleshooting and may independently troubleshoot a variety of electrical equipment and components.
10. Assists in rigging for transportation, removal and installation of motors and motor control equipment.
11. Performs other duties as assigned.

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CLASSIFICATION REQUIREMENTS

Education and Experience: Any combination of equivalent education that has led to the acquisition of the knowledge required by the position. A typical way of acquiring the knowledge would be:

Completion of the twelfth grade and successful completion of a certification in an electrician's apprentice program (45 semester units) at an accredited academic, trade or technical institution.

Note: Experience will not be accepted in lieu of the education requirement.

Knowledge of:

Principles of electrical installation, maintenance, operation and testing.
The National Electrical Code and relevant Electrical Safety Orders of the California Division of Industrial Safety.

Ability to:

Differentiate colors.

WORKING CONDITIONS

Heavy lifting up to 90 pounds.

Work in all kinds of weather.

Possess physical characteristics to perform the critical and important duties of the job, including the ability to climb stationary ladders up to 100 feet in height, work suspended above ground level (approximately 45 feet) in a bosun chair or aerial lift, and work in confined spaces, such as in excavations (approximately 20 feet below ground level), buried dewatered pipelines and manifolds (ranging in size from 3 feet to 13 feet in diameter), and dewatered sumps and turnout facilities (approximately 30 feet below ground level).

Respond to emergency calls on a 24-hour-day basis on a rotating on-call schedule.

STANDARD REQUIREMENTS

Possession of a valid Class C California Driver's License with a driving record acceptable to the District's automobile insurance provider is required.

Safety training in Western Area Power Administration High Voltage Switching is desirable.