

## MAINTENANCE ELECTRICIAN

### **Definition:**

Under direction, to install, service, and maintain electrical wiring systems and equipment; and to do related work as required.

### **Essential Functions:**

- Installs conduits, transformers, traffic signals, airport signaling systems, pull boxes, and switches.
- Services, repairs and fabricates pumps, motor controls, distribution systems, alarm systems and various other types of electrical equipment and apparatus.
- Repairs and replaces broken or defective parts in motors, switches and fixtures.
- Tests, locates and repairs trouble in electrical circuits and equipment.
- Replaces fuses and incandescent and florescent lights.
- Plans electrical systems.
- Reads blue prints and compiles material lists.
- Prepares drawings, sketches and job specification for electrical work.
- Coordinates with and inspects the work of contractors.
- Supervises and trains helpers.
- Trains staff in safe operations of electrical systems and equipment.
- Performs other job-related duties as assigned.

### **Employment Standards:**

Any combination of training and experience equivalent to completion of the eighth grade and four years of experience under a journey electrician.

OR an apprenticeship certificate provided by the electrician's union.

Possession of a valid Class "C" Driver's license is required upon appointment.

Candidates may be required to pass a thorough background investigation. Except for minor traffic violations, minor traffic violations, misdemeanor and felony convictions may be disqualifying.

**Knowledge of:** the theory of electricity, the practices, tools, equipment, and materials used in the electrical trade, the installation, operation, and maintenance of electrical equipment, apparatus, and instruments; the laws rules and standards pertaining to electrical construction and maintenance, and of the hazards involved in working around energized lines and equipment.

**Ability to:** read and interpret electrical plans and diagrams of electrical circuits; plan electrical wiring systems, read blueprints and compile material lists, and understand and follow oral and written instructions.

A background check may be conducted for this classification.

All Kern County employees are designated ADisaster Service Workers@ through state and local laws (CA Government Code Sec. 3100-3109 and Ordinance Code Title 2-Administration, Ch. 2.66 Emergency Services.) As Disaster Service Workers, all County employees are expected to remain at work, or to report for work as soon as practicable following a significant emergency or disaster.

Revised  
January 1993  
#4756  
JS4756