

**MAINTENANCE/ELECTRICIAN****DEFINITION**

Under general direction, to perform skilled work in the repair, installation, alteration and maintenance of electrical systems and equipment; and to do related work as required.

**EXAMPLES OF DUTIES**

Install, repair and maintain electrical systems and equipment such as light and power circuits, control equipment, transformers, interior and exterior conduit and switchboards; install new lighting fixtures, photocells, contractors, circuit breaker and sub-panels; trouble-shoot power failures; interpret electrical plans and specifications and check for conformity with codes, regulations and safety orders; requisition parts and materials; may direct helpers; check and repair electrical units for heating and refrigeration units; install and repair electrical wiring, switches, receptacles and fuses; repair and service electrical appliances; may assist other departmental personnel in the performance of their duties; may use forklift if OSHA training is current; and maintain clean and safe work and shop areas.

**QUALIFICATIONS****Knowledge of**

Materials, tools, equipment, and methods used in electrical work; National Electric Code; the Electrical Safety Orders of the Division of Industrial Safety; local building codes as they pertain to electrical work; electrical formulas; fiber optics and single and polyphase circuits.

**Ability to**

Accurately estimate time and material costs; skillfully install, repair and maintain electrical systems and equipment; read and work from electrical plans and specifications; after appropriate training safely use machines, equipment, and tools related to job duties; skillfully use and care for electrical tools and equipment; use district work order system; understand and carry out oral and written instructions; and work cooperatively with others.

**Experience**

Three years of varied experience in electrical work, including one year at the journeyman level.

**Education**

Equivalent to the completion of the twelfth grade, supplemented by vocational course work in electricity.

**Physical Performance Requirements**

Frequent heavy lifting and maneuvering of up to 50 to 60 pounds with occasionally lifting and maneuvering of up to 100 pounds with or without assistance. Twisting, bending, stooping, standing, walking, and squatting also required. May work on irregular surfaces or at heights above the ground.

**Licenses**

Possession of a valid and appropriate California Driver's License, if required