

ELECTRICIAN

DEFINITION

Under general supervision, installs, repairs and maintains electrical services and equipment throughout the City; performs related work as assigned.

ESSENTIAL JOB FUNCTIONS

Lays out and installs new wiring; tests for defects, removes, replaces and repairs worn or defective wiring, outlets, fixtures, telemetry and instrumentation equipment; performs preventative maintenance on electrical equipment; performs field maintenance on switches, panels, pumps, motors, generators, light and power circuits including street lighting systems and other types of electrical lighting and power equipment; installs and assembles lighting fixtures; wires electrical control equipment; repairs and services electrical equipment including bearings; maintains and repairs auxiliary power units; assists in reviewing plans, designing and construction of new electrical systems; orders, stocks and maintains electrical equipment tools and supplies for City facilities and equipment. May be required to work shifts, weekends, and/or holidays.

QUALIFICATIONS

Training and experience: Completion of an accredited apprenticeship-training program in the electrical trade and two years of journeyman level electrician experience. Instrumentation experience desirable.

License: Possession of a valid California Class "B" driver's license at time of employment. Possession of a Class "A" Driver's License within one year of employment is highly desirable.

Knowledge, Skills, and Abilities: Knowledge of electrical terms, materials, methods, machinery and equipment; knowledge of electrical codes, orders, ordinances and laws; knowledge of the fundamentals of electricity; knowledge of the City's electrical policies, regulations and practices; knowledge of and skill in performing basic electrician's work such as leading in wires, making proper connections, locating trouble and repairing defective wiring; ability to work from plans and detailed drawings; ability to follow oral and written instructions; ability to work cooperatively with others; ability to demonstrate electrical safety procedures.

PHYSICAL DEMANDS AND WORKING ENVIRONMENT

While performing the duties of this job, the employee is frequently required to stand; walk; use hands to finger, handle, or operate objects, tools, or controls; reach; climb; balance; stoop, kneel, crouch, or crawl; talk or hear; smell; and occasionally use arms, legs, and back to lift or move 100 pounds.

This position requires specific vision abilities, including close vision, distance vision,

color vision, peripheral vision, depth perception, and the ability to focus on small objects.

The employee regularly works outdoors and may be exposed to variable weather conditions; occasionally works near moving mechanical parts and in high, precarious places, works in sewer lift stations, water plants, and chlorine rooms, and may be exposed to wet and/or humid conditions, fumes, toxic or caustic chemicals, risk of electric shock, and vibration.