PLANT AND EQUIPMENT MAINTENANCE MECHANIC

DEFINITION
Under the supervision of the Plant and Equipment Maintenance Supervisor, does skilled mechanical work in repairing and installing equipment in the Water and Wastewater systems; and performs other duties as assigned.

EXAMPLES OF DUTIES
Installs, replaces and repairs pumps, motors, generators, and auxiliary equipment; levels and aligns equipment to prevent vibration; installs and connects instruments, gauges, tubing, pipes, instrument panels, switches and valves; dismantles pumps, compressors, motors and generators for inspection of worn or broken parts and makes appropriate adjustments, replacements and repairs; keeps written and computerized records of repairs and maintenance services performed; furnishes Plant and Equipment Maintenance Supervisor with information for parts and inventory control; assists operators and maintenance personnel in the general maintenance of equipment and facilities of the Department of Water and Wastewater Resources; may be required to work under adverse conditions.

MINIMUM QUALIFICATIONS

Knowledge of: The installation, operation and repair of pumps, compressors, motors, generators and related equipment; mechanical ability and skill in the use of tools and materials involved in the installation, maintenance and repair of mechanical and electrical equipment; use of welding equipment and cutting torch; knowledge of pipe and pipe fitting installations; use of appropriate safety equipment and tools and principles of safety and accident prevention.

Ability to: Safely diagnose and repair mechanical and electrical defects; read, understand and work from blueprints, diagrams and installation sketches; understand and follow written and oral directions; prepare reports and keep accurate records; learn and efficiently use the Department's computerized maintenance information system; instruct others in maintenance and repair of the Department's equipment and facilities; perform heavy manual labor involving lifting, carrying, kneeling, crawling and climbing; work in adverse conditions which require exposure to noise, noxious odors, gases, contact with water and/or wastewater, and risk of bodily injury; maintain different tools and equipment in the fresh water and wastewater systems; interact positively and
cooperate with co-workers, respond politely to customers, work as a team member, function under demanding time pressure, respond in a positive manner to supervision, and attend work and perform duties on a regular and consistent basis.

**Education:**  Graduation from high school or equivalent.

**Experience:** Three years of experience in the operation, maintenance and repair of electrical and/or mechanical equipment.

**Physical Requirements:** Moderate and sometimes strenuous exertion required, including sustained walking, standing, bending, climbing and lifting.

**License:** Possession of a valid Class C California Driver’s License.

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