

MAINTENANCE ELECTRICIANClass Definition

Under general supervision, to perform a variety of skilled work in the installation, maintenance and repair of electrical systems and equipment at the various City-owned and operated facilities.

Typical Tasks

Performs major and minor electrical repairs on treatment plant and lift station equipment and related components.

Calibrates, troubleshoots, and repairs instrumentation and control systems.

Replaces electrical motors and lays conduit.

Repairs and replaces electrical wiring on various equipment.

Repairs, replaces, and maintains electrical parts and components including traffic signal controllers, generators, circuit breakers, transformers, switches, control panels, alarms, and electrical motors.

Overhauls electrical components.

Trains and supervises subordinate employees in the installation, maintenance and repair of electrical systems and equipment.

Orders electrical parts and components.

Reads blueprints, schematics and electrical diagrams.

Performs preventive maintenance on electrical plant equipment.

May perform routine welding related to electrical repair work.

Maintains records of repairs and maintenance work performed.

Performs related duties as required.

Knowledge, Abilities, and Skills

Knowledge of the principles, techniques, tools, and equipment used in major and minor electrical repair work; electrical codes and related ordinances and regulations; the operation and maintenance requirements of wastewater treatment plant and lift station equipment and motors; basic electronic circuitry; safety precautions related to working with electrical equipment.

Ability to diagnose and locate electrical problems and determine effective courses of action for proper repair; make skilled repairs to electrical equipment; read and follow electrical plans, specifications, schematics and diagrams; perform routine welding and fabrication related to electrical repair work; understand and follow oral and written instructions; ability to train and supervise subordinate employees; maintain records of repairs and maintenance work performed; use and operate tools and equipment used in major and minor electrical repair work.

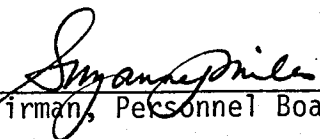
Education and Experience Requirements

Education and experience equivalent to an Associate's degree in electronics or completion of a recognized apprenticeship in the trade; or an equivalent combination of education and experience.

Necessary Special Requirement

Possession of a valid Class III California driver's license.

APPROVED

  
Chairman, Personnel Board

DATE

8/11/86

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8/6/86