

PARKS ELECTRICIAN

NATURE OF WORK

This is technical work in the installation and maintenance of electronic and electrical equipment.

Work involves sketching diagrams for installation of wiring and controls in equipment; testing, repairing and maintaining equipment; inspecting and maintaining transformers; and cleaning contacts on motor starters. An employee in this class performs the actual repair service maintenance work and any final tests or checks to determine that the work has been completed. General supervision is received from an administrative superior. Supervision may be exercised over subordinate employees.

EXAMPLES OF WORK PERFORMED

Works as lead electrician directing one or more subordinates in the repair and maintenance of power-electrical equipment; assigns tasks, outlines work and safety procedures; inspects work completed by subordinates.

Obtains required electrical permits as per City code.

Performs routine preventive maintenance tasks on power-electrical and control equipment; makes recommendations for updating procedures for the preventive maintenance program.

Troubleshoots power-electrical and associated control malfunctions, analyzes problems, prepares list of parts and materials needed, and makes repairs.

Sketches diagrams for installation of wiring and controls in remote control panels; installs wiring and controls for electrical equipment.

Conducts tests on equipment using ammeter, volt-ohmmeter, tone control tester and related equipment; checks equipment for defects and makes necessary repairs; cleans equipment when necessary.

Maintains inventory of electrical and instrumentation tools, supplies and equipment; completes work orders, time and repair records.

Checks, repairs and maintains battery chargers and batteries; inspects, maintains and repairs small and large motors.

Inspects, repairs and maintains hot water tanks, air compressors, motors, air conditioning units and related equipment.

Makes electrical repairs on wall switches, lamps, small motors and fixtures; locates and drills outlets for telephone installations and electricity; installs additional circuits and upgrades electrical systems.

Assists in clean-up of general maintenance work areas and areas where repair and maintenance tasks have occurred.

Performs related work as required.

DESIRABLE KNOWLEDGE, ABILITIES AND SKILLS

Considerable knowledge of methods, techniques and materials required for testing, inspecting and repairing meters, telemetering equipment and control devices.

Considerable knowledge of solid state and conventional electronic component systems and equipment.

Considerable knowledge of Municipal Code compliance requirements.

Ability to sketch and interpret diagrams and schematics.

Ability to operate electrical testing equipment including ammeter, flow and pressure transmitter, calibrator, station simulator, volt-ohmmeter and related equipment in order to conduct tests on utility metering equipment.

Ability to communicate both orally and in writing.

Ability to establish and maintain effective working relationships with coworkers.

Skill in the use of hand tools, shop and power equipment.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from a senior high school or equivalent supplemented by an associate degree in electronics or electrical repair plus experience in the maintenance and repair of electrical metering equipment.

MINIMUM QUALIFICATIONS

Graduation from a senior high school or equivalent plus considerable experience in electronic and electrical repair; or any equivalent combination of training and experience which provides the desirable knowledge, abilities and skills.

NECESSARY SPECIAL REQUIREMENT

Possession of a valid Master's or Maintenance Electrician License.

Possession of a valid driver's license when operating a vehicle is necessary for the satisfactory performance of assigned duties.

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