

ELECTRICAL MAINTENANCE TECHNICIAN

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DEFINITION

Under direction performs journey level work in the testing, repair, and installation of electrical revenue metering and its component parts, electrical substation and distribution equipment and performs other related work as required.

EXAMPLES OF DUTIES

1. Installs, tests, calibrates and repairs all types of revenue meters, instruments and associated electrical equipment.
2. Tests, cleans and repairs transformers.
3. Installs, tests, services and repairs circuit breakers, voltage regulators, reclosers, relays, substation wiring and equipment and other substation apparatus.
4. Programs, installs, maintains, and services SCADA system and equipment.
5. Makes special load checks and tests, and performs trouble-shooting work on customer premises.
6. Operates PC and other computer equipment running established programs.
7. May act as Combustion Turbine Operator.

EMPLOYMENT STANDARDS

Education/Experience

Any combination equivalent to education and experience likely to provide the required knowledge and abilities. A typical way to obtain the knowledge and abilities would be:

Education: Graduation from high school, supplemented by courses in advanced electrical theory and mathematics involved in alternating current electrical theory and completion of an approved electric utility apprenticeship or equivalent program for Electrical Maintenance Technician.

Experience: Five years of meter or substation related experience with an electric utility, two years of which shall have been at the journey level. SCADA experience is highly desired.

Knowledge

Knowledge of the principles and practices of journey level work in electrical revenue metering and electrical substation and distribution equipment; principles, methods, materials, tools and equipment used in the installation, testing, removal and maintenance of transformers, regulators, capacitors, switching and fusing equipment, circuit breakers, controls and instrumentation, relays, batteries and chargers, revenue meters and other associated equipment; electrical terminology, mathematics and mechanical theory, and safe work practices and procedures.

Ability

Ability to operate electrical test equipment and tools; interpret schematic drawings and computerized data; operate computer equipment; interpret electrical codes and regulations; apply established Bureau policies and procedures; work independently; use initiative and judgement seeking guidance for situations where standard procedures may not apply; establish and maintain accurate records; communicate effectively; establish and maintain effective working relationships with employees and the general public.

Special Requirements

Willingness and/or ability to respond to after-hours emergency calls as required. Freedom from color blindness.

Other Requirements

Possession of a valid California Driver's License and satisfactory driving record as a condition of initial and continued employment.