

METER TECHNICIAN

DEFINITION

Under direction performs journey level work in the testing, repair, and installation of electrical single phase, polyphase, and primary revenue metering and its component parts; operates equipment in a safe and efficient manner in a variety of hazardous environments; and performs other related work as required.

DISTINGUISHING CHARACTERISTICS

This is a journey level classification in the meter technician series. Employees perform difficult and responsible types of duties. Employees at this level are required to be fully trained in all procedures related to meter work. This class is distinguished from lower classifications by performance of the full range of duties within the series by the level of responsibility assumed and the complexity of duties assigned, independent work performed, and judgment and initiative required; and from higher classifications which perform the most difficult and responsible types of duties including assigning work and providing lead direction.

EXAMPLES OF DUTIES

1. Installs, inspects, tests, and repairs current transformer (CT) and potential transformer (PT) circuits on low and high voltage switchgear involving all revenue metering.
2. Documents equipment testing performed.
3. Performs scheduled preventive maintenance, conducts routine inspections, inspects and approves commercial switchgear and other related equipment.
4. Interprets blue prints and diagrams to install various types of meters and related material necessary to accurately record electrical energy consumption.
5. Monitors inventory, researches and consults with vendors.
6. Troubleshoots complex metering schemes.
7. Performs routine field checks of complex industrial meters to ensure proper operation.
8. Makes special load checks and tests.
9. Uses computer and other computer equipment running established programs.
10. Installs, inspects, tests, maintains, and troubleshoots AML, communication (radio, fiber, and cellular), and other devices.
11. Accurately documents and maintains electric meter history.
12. Configures various metering software packages and programs electronic meters for rate and communication requirements.
13. Investigates power quality complaints.
14. Troubleshoots radio and television interference complaints (RFI/TVI) and work with crews to correct issues.
15. Trains entry-level meter technicians.

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 a state or federal approved electric utility apprenticeship or equivalent program for Meter Technician or Substation 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. Smart meter or AML experience is highly desired.

Knowledge

Knowledge of the principles and practices of journey level work in electrical revenue metering; principles, methods, materials, tools and equipment used in the installation, testing, removal and maintenance of 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 AMP 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.

CL: Human Resources Department

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