

MAJOR FUNCTION

This is complex, technical work at the journey level involving the installation, maintenance, testing and calibration of all the electric metering and load management/research equipment within the City's Electric Utility system. Work is performed under general supervision of the Foreman-Meter Repair and is reviewed through reports, conferences, observations and by results obtained.

ESSENTIAL AND OTHER IMPORTANT JOB DUTIES**Essential Duties**

Performs work relative to installing, testing, calibrating and maintaining all types of revenue and substation and Electric Utility Power Grid Interchange electric metering equipment, including self-contained, transformer-rated, power quality, communication and load management/research devices and equipment. Assists in evaluating a variety of test equipment to determine proper metering. Troubleshoots electro mechanical, solid state and digital equipment utilized in the metering and load management research areas. Performs work in electrical energized area up to and including 12,470 volts which includes phase angle test on electric meter installations. Applies mathematical equations in solving a variety of electrical quantities. Works with records system involving use of computer terminals. Reads mechanical and electronic type demand meter and recorders. Provides technical support and testifies as required for detecting and processing current diversion cases. Works in accordance with all safety rules and regulations. Assists in training other personnel. Performs related work as required.

Other Important Duties

Performs turn-on and turn-off activities as required. Performs installation, wiring, maintenance and technical support for special event activities. Performs related work as required.

DESIRABLE QUALIFICATIONS**Knowledge, Abilities and Skills**

Considerable knowledge of the methods and practices involved in testing, calibrating, repairing and maintaining electrical revenue, substation and interchange meters, metering transformers and switches, including load management/research equipment. Considerable knowledge of the occupational hazards and safety precautions involved in the work. Considerable knowledge of the ordinances and regulations concerning the installation of metering equipment, meter testing, repair and maintenance. Ability to detect and locate defective electric meters and to repair and install them. Ability to understand and work from construction and wiring plans, wiring diagrams, schematics, drawings and blueprints. Ability to use ammeters, voltmeters, Ohm meters and related metering equipment. Ability to maintain records and make reports. Ability to effectively communicate and establish working relationships as necessitated by the work. Ability to provide necessary training to others. Skill in the use of personal computers and the programs and applications necessary for successful job performance.

Minimum Training and Experience

Possession of a high school diploma or an equivalent recognized certificate, completion of an Electric Metering apprenticeship program and completion of a basic electricity or electronic program from a vocational or technical school. Directly related "hands-on" experience reading, installing connecting, disconnecting, repairing, fabricating and/or calibrating of metering in electric and/or electronic work may be substituted on a year-for-year basis for the required post high school education.

Necessary Special Requirements

Possession of a valid class E State driver's license.

Revised: 01-02-86
05-28-86
02-16-88
02-14-90
01-21-04
06-15-07