

## CITY OF BURBANK

### SENIOR TEST TECHNICIAN

#### DEFINITION

Under direction, to perform the more complex work involved in field and laboratory testing of electrical and electronic equipment and materials used within an electric and water utility; to assume lead responsibility on assigned testing work; and to do related work as required.

#### ESSENTIAL FUNCTIONS

Inspects, tests, calibrates and repairs a variety of electrical and electronic equipment and materials in power generating plants, transmission receiving stations, underground and overhead distribution systems and stations, and customers' premises; recommends changes in test procedures and modification of relays and other electrical equipment; designs and builds special test devices; diagrams changes in control and relay circuits of new equipment; performs high potential insulation tests and performs power plant and generator start-up efficiency tests; performs tests on energized equipment at voltages up to 70,000 volts for phasing of equipment; performs tests on fiber optic cable; investigates problems and advises consumers on questions regarding service connections, voltage, and load conditions; installs commercial and industrial devices; tests rubber safety devices; performs acceptance and performance tests on new electrical equipment; calculates efficiency of distribution transformers; prepares written reports of tests and maintains records; devises new and improved methods of testing to meet changing technological requirements; leads and trains employees on assigned testing work; develops schedules for the routine testing of equipment; drives on City business.

#### MINIMUM QUALIFICATIONS

##### Employment Standards:

- Knowledge of - the principles of electricity, electronics, and mathematics and the characteristics of electrical equipment; test techniques and procedures; safe practices and procedures.
- Ability to – read wiring and schematic diagrams; use varied electrical testing instruments and equipment; lead and direct the work of others; establish and maintain effective working relationships with supervisors, fellow employees, and the public.

**Education/Training:** Five years of recent experience in testing and maintaining electrical equipment in a power utility, including two years at the journey level Electrician or Test Technician level.

**Special Conditions & Requirements:** Employees in this classification will be required to comply with the American National Standards Institute's requirements on Practices for Respiratory Protection.

**License & Certificates:** A valid California Class "C" driver's license or equivalent at time of appointment.

#### SUPPLEMENTAL INFORMATION

None.