

Jurisdictional Class: Competitive
Adopted: March 23, 2000
Revised: May 11, 2010

ELECTRICIAN for MLD

DISTINGUISHING FEATURES OF THE CLASS: This is highly technical work involving the supervision of semi-skilled and skilled technician personnel engaged in the installation, operation, repair, and maintenance of all electrical facets of the power system's electrical plant installation, including substations, signal control systems, communication systems, electronic traffic systems, etc. The Electrician must be thoroughly trained and skilled in the control devices, electrical installations, and equipment used in the operation of a municipal electrical power supply system. The Electrician works under the general supervision of the Superintendent and/or Line Supervisor and is responsible for the continuous and correct operation of the plant installations, substations, signal control systems, electronic traffic controls, and installation, termination, and testing of high and low voltage cable systems. The incumbent does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative only)

Supervises all electrician personnel and assigns daily work regimen;
Supervises and engages in the inspection, installation, repair, and maintenance of substations and general PMLD installation;
Supervises and engages in regular preventative maintenance on battery systems, motors and circuitry, relays and control devices, air/oil circuit breakers and associated equipment, annunciator systems, communication systems, and related operational equipment items;
Installs, repairs, and maintains traffic control systems;
Installs, repairs, terminates, and trouble shoots location in high and low voltage cable systems;
Supervises and engages in the use of electrical test, calibration, comparison recording, and data collection meters;
Answers emergency trouble calls.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES & PERSONAL CHARACTERISTICS:

Thorough knowledge of the theory and principles of electricity, as relates to power supply, control, operation, maintenance, and repair of electrical components, equipment, and material installation in a municipal electrical system;
Ability to supervise, instruct, and train personnel in the above subject skills;
Ability to follow complex oral and written instructions;
Ability to work in harmony and coordination with peers and those under supervision;
Ability to keep accurate records and prepare coherent, comprehensive reports;
Mechanical aptitude.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of a high school equivalency diploma and seven (7) years of experience as an electrician in the construction, operation, and maintenance of high voltage power substations; two (2) years of which shall have been in a supervisory capacity.

SPECIAL REQUIREMENT: Eligibility for an appropriate level New York State Driver's License at time of application. Possession of license at time of appointment.