

## ELECTRICIAN

**DISTINGUISHING FEATURES OF THE CLASS:** This is skilled work in installing, maintaining and repairing a variety of electrical equipment in all City owned buildings and grounds. The work also includes monitoring the various systems as the DPW Facility, such as the Automated Wash Bay, Central Fueling, Transfer Station, Compressed Air, Service Elevator, Overhead Doors, Front Gate Operation and the Coray Vac Heat System in Central Garage. The incumbent will evaluate the status of such systems on a regular basis and collaborate with vendors/contractors to schedule any needed repairs. The incumbent will serve as the primary contact for the Dig Safety NY ticketing procedure and will have primary responsibility for the performance of mark-outs for City owned electrical systems and apparatus. The work is performed under the general supervision of the Electrician/Signal Electrician. Incumbents of this position make out their own work time schedules and enter all relevant information into CarteGraph. Supervision may be the responsibility of the incumbent depending upon specific assignments and projects. Does related work as required.

**Wastewater Treatment Plant and Terminal Pump Station:** The work is performed under the supervision of the Head Electrician who provides work assignments at the beginning of each day. Incumbents of this position will follow given work and time schedules.

**TYPICAL WORK ACTIVITIES:** Installs, maintains and repairs electric fixtures, switches, lamps, electric motors, pumps, and generators; Repairs and adjusts circuit breakers, controls and regulators by replacing worn parts and repairing burned out contacts; Orders parts and keeps a record of time and materials used in electrical installations and repairs; May assist the painters, carpenters and plumbers in major department work projects; May supervise or lead a group of employees in various work projects and assignments; Operates motor equipment in transporting equipment, tools and parts. Captures and maintains related daily work activities through work order entries in CarteGraph.

**Wastewater Treatment Plant and Terminal Pump Station:** Installs, maintains and repairs electric motors, Variable Frequency Drives (VFD's), pumps and generators as well as associated circuitry; Installs, maintains, repairs and calibrates electronic equipment; Installs rigid conduit, pulls and splices wire on new and renovation projects; Performs work on existing S.C.A.D.A. systems and associated P.L.C.'s, power supplies and equipment.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES & PERSONAL CHARACTERISTICS:** Good knowledge of the practices, tools, terminology and safety precautions of the trade; ability to follow oral and written instructions; ability to operate and care for power equipment; Willingness to work on departmental projects in other trades; Willingness and ability to lead or supervise in work projects of department activities; Ability to operate a personal computer and utilize common office software programs including work processing, spreadsheet, and database at an acceptable rate of accuracy and speed; Physical condition commensurate with the demands of the position.

### **City of Binghamton:**

**MINIMUM QUALIFICATIONS:** Two (2) years of experience in the installation, maintenance and repair of electrical systems and equipment.

**SPECIAL REQUIREMENTS:** Possession of the appropriate level Motor Vehicle Operators License at time of appointment and maintain the license during the entire length of appointment.

### **Wastewater Treatment Plant and Terminal Pump Station:**

**MINIMUM QUALIFICATIONS:** Four (4) years verifiable experience in the installation, maintenance and repair of electrical systems and equipment.

**SPECIAL REQUIREMENTS:** Journeyman Electrician license in the City of Binghamton or Johnson City or the ability to pass the test within the probationary period. Possession of the appropriate level Motor Vehicle Operator's License at time of appointment and maintain the license during the entire length of appointment.

**Revised: 03-20-03 (Non-Competitive)**  
**Revised: 05-13-05 (Non-Competitive)**  
**Revised: 03/27/09 (Non-Competitive)**  
**Revised: 01/30/13 (Non-Competitive)**  
**Revised 12/18/13 (Non-Competitive)**