

**DEPARTMENT:** ALL APPLICABLE  
**CLASSIFICATION:** NON-COMPETITIVE  
**APPROVED:** MAY 11, 2018

**ELECTRICIAN**

**DISTINGUISHING FEATURES OF THE CLASS:** The incumbent in this position applies the techniques of the electrical trade and performs skilled electrical operations including planning, installation, maintenance, trouble shooting, and repair of wiring, fixtures, apparatus and control equipment in accordance with equipment specifications and National Electric Code (NEC). Immediate supervision may be exercised over the work of building maintenance personnel, laborers, or other helpers. The incumbent works as a journeyman electrician. Does related work as required.

**TYPICAL WORK ACTIVITIES:**

1. Installs, maintains, trouble shoots and repairs the following (activities may vary based upon civil division);
  - a. Power systems – high voltage, low voltage, alternating current and direct current;
  - b. Controls and distribution apparatus including switches, relays and circuit breakers, fuses and panel boards;
  - c. Generators and uninterrupted power systems;
  - d. Lighting systems including but not limited to HID, LED, and fluorescent;
  - e. Stage lighting;
  - f. Traffic signals;
  - g. Telephone systems;
  - h. Public address and other sound systems and bells;
  - i. Clocking systems/time clocks;
  - j. Security alarm systems and cameras plus addressing call ins from security companies and/or supervisors;
  - k. Energy management systems plus addressing call ins from monitoring companies and/or supervisors;
  - l. Kitchen equipment including temperature monitoring of coolers and freezers;
  - m. Fire alarm systems;
  - n. Ethernet networking systems;
  - o. White screen projectors and boards;
  - p. Rooftop units including but not limited to heating, ventilation, and air conditioning units and uninvent systems;
  - q. Boiler systems including but not limited to pumps, motors, gauges, sensors, and valves;
  - r. Plumbing systems and piping including but not limited to low voltage controls;
  - s. Irrigation systems, elevators, ariel lifts/bucket trucks/scissors lifts and related equipment, gym equipment, and snow plow systems;
2. Measures, cuts, bends, threads, assembles, and installs electrical conduit and tubing;
3. Tests continuity of circuits to ensure electrical compatibility and safety of components using such instruments as ohm meters, volt meters, continuity testers and test lamps;
4. Maintains a continuous preventative maintenance program to ensure the operating efficiency of electrical equipment;
5. Maintains and repairs storage battery systems and storage battery charges;
6. When assigned maintains lock out/tag out program in accordance with municipal and NEC requirements;
7. May assist with other building maintenance tasks such as plumbing, HVAC, and boilers;
8. May be required to serve in an on-call capacity for evenings and weekends;
9. May operate snow clearing equipment including snow plow truck and/or salt truck.

**CONTINUED**

## **ELECTRICIAN CONTINUED**

### **FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Thorough knowledge of the methods, materials, terminology, and equipment used in electrical work; thorough knowledge of the occupational hazards and safety precautions of the electrical trade; thorough knowledge of all applicable codes, regulations, and laws governing electrical installation; thorough knowledge of the principles and theories of electricity; skill in making electrical installations, repairs and adjustments; skill in the use of tools and materials used in the electrical trade including tube benders, drills, electrical meters and other hand tools; ability to read and understand sketches, drawings, and blueprints; ability to follow both oral and written instructions pertaining to electrical work; ability to estimate material and labor required for project duration; willingness to respond to calls on evenings and weekends; sound professional judgment; dependability; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of an equivalency diploma **and** one of the following:

1. One (1) year of experience as a journeyman electrician; **OR**
2. Possession of a four (4) year certificate of apprenticeship; **OR**
3. Journeyman level training in the electrical trade or training obtained by the completion of technical courses in the electrical trade at a school, institute, or branch of the armed services may be substituted for the above experience on a year for year basis.

### **SPECIAL REQUIREMENT:**

1. Possession of a valid drivers license at time of appointment and for the duration of employment;
2. National Fire Protection Association (NFPA) 70E Training Certificate is required for employment in a school district.