

## Electricians

| Job Code | Job Title          | Pay Grade |
|----------|--------------------|-----------|
| 3275N2   | Electrician        | 22        |
| 3282N2   | Electrician Senior | 24        |

### CONCEPT:

Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.

### TASKS:

- Troubleshoots, maintains, repairs and alters the existing secondary electrical circuits. This is accomplished by (a) isolating by using test instruments, i.e., volt/ohm meters, ammeter, recorders, and meggers. (b) testing and inspecting to assure system has proper load distribution and tight and proper connections, (c) replacing faulty, switches, sockets, plugs, outlets, fuses, cords, circuit breakers, relays, bearings, gears, brushes, and other simple elements of the electrical system, fixtures and appliances, (d) altering and renewing deteriorating circuits.
- Installs and maintains motors and generators; dresses and polishes commutators; seats and replaces brushes; rewinds and replaces coils and armatures, and does electrical work and some mechanical work in repairing and replacing parts.
- Installs, repairs and maintains all electrical appliances and equipment following manufacturers' specifications and with particular emphasis on electrical hazard safety measures.
- Completes work orders and maintenance forms in order to provide the supervisor with information on time worked and materials used lists. This requires knowledge of and ability to comply with engineering reporting procedures and timeliness.
- Operates the main transformer bank switch gears and emergency generator by following written operating procedures.
- Constructs and installs new electrical systems in buildings, interior and exterior, cuts and shapes conduit with hand tools and fastens it in place with brackets and clamps, determines the correct wire and conduit size needed and makes necessary connections to circuit breakers, transformers, disconnects, electrical equipment; mounts motors, lighting fixtures and other electrical into position and completes the circuit.
- Maintains and repairs high voltage lines, transformers and high voltage equipment requiring technical knowledge, safety precautions and the use of high voltage tools and equipment to prevent future loss of electrical power.
- Responsible for maintaining electric control circuits including the installation and maintenance of circuits, on the automatic HVAC equipment, boiler controls, elevator controls and switching gear related to the operation of the energy management system.

### LEVELS OF WORK

- Class Group consists of two classes.

**Electrician:** Skilled electrical work performing routine maintenance and assisting the more highly skilled electricians in major construction, renovation, and maintenance tasks.

**Minimum Requirements:** Six months of experience in electrical work. Education may be substituted for experience as determined relevant by the agency.

**Electrician Senior:** These are highly skilled electricians who have more experience and training than the electricians. Work may also involve overseeing the work of subordinate workers or those in training.

**Minimum Requirements:** Two years of experience as an electrician. Education may be substituted for experience as determined relevant by the agency.

REF: 12/13

REV: 6/24