

CLASS TITLE: SENIOR ELECTRICIAN APPRENTICE

PURPOSE OF THE CLASSIFICATION: Under general supervision assists journeyman electrician with highly skilled electrical maintenance, construction and installation work on a wide variety of complex electrical systems and mechanical equipment, and other related assigned duties.

ESSENTIAL TASKS:

- Installs, maintains, and repairs other directional electric pumps, compressors, motors, meters, recorders, local and remote control systems and other related equipment
- Helps design special systems as needed
- Establishes and maintains new service and circuit lines
- Installs receptacles, switches, breaker boxes, fuse boxes, light fixtures and alarm systems
- Makes time and material estimates for electrical work
- Maintains an inventory of parts and supplies
- Operates various types of electrical, automotive and power equipment
- Operates emergency generators and high voltage test equipment
- Troubleshoots and repairs complex electrical/mechanical equipment
- Completes preventative maintenance work orders
- Investigates and assists with completion of corrective work orders
- Must report to work on a regular and timely basis

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.

QUALIFICATIONS:

Training and Experience: Graduation from high school or possession of a General Educational Development Certificate (GED), and three (3) years experience working on electrical/electronic systems or two (2) years as a City of Tulsa Electrician Apprentice; or an equivalent combination of training and experience per Personnel Policies and Procedures, Section 128. Up to one year of experience could be substituted with the completion of a certified technical school program in Electrical Trades/Electricity. Refer to the Electrical progression criterion document for additional requirements. Progression to an Electrician II is mandatory and requirements to progress to that level must be obtained within sixty (60) months to position as a Senior Electrician Apprentice.

Knowledge, Abilities, and Skills: Considerable knowledge of the standard practices, materials, tools, and equipment of the electrical trade; good knowledge of local and national electrical codes; and good knowledge of occupational hazards of the trade and appropriate precautionary measures. Ability to work from blueprints, diagrams, and schematics; ability to design and install various electrical systems; ability to locate and repair defects in electrical systems and equipment; ability to make time and material estimates; and the ability to courteously and tactfully communicate with fellow workers, supervisors, other members of the organization, and the public in giving and receiving information. Skill in the use and care of tools and equipment of the electrical trade.

Physical Requirements: Physical requirements include standing and walking; frequent lifting up to 20 pounds and occasional lifting up to 60 pounds; frequent carrying up to 20 pounds and occasional carrying up to 60 pounds; occasional pushing up to 50 pounds; occasional pulling up to 60 pounds; frequent balancing, bending, reaching, kneeling, feeling, climbing, smelling, and twisting; and vision, speech, and hearing sufficient to perform essential tasks.

Licenses and Certificates: Possession of an Oklahoma Electrical Apprentice License; some positions require possession of a Class "D" Water/Wastewater License as issued by the Department of Environmental Quality (DEQ) within six months of hire; possession of a Class "B" Commercial Driver's License (CDL) within six (6) months of hire in some positions and a valid Oklahoma Class "D" Driver's License.

WORKING ENVIRONMENT: Working environment is primarily outdoors and occasionally indoors, and in inclement weather. May be exposed to the following: hazardous materials, animal waste/dead animals, flammable liquids, traffic, cramped work areas, excessive dust, weather/temperature extremes, trench excavations, underground gas/electric/petroleum lines, rough terrains, cutting/chipping/grinding, sewage, damp/wet surfaces, snow/ice covered surfaces, insect bites, poisonous plants, overhead power lines, confined spaces, and high noise areas.

Class Code: 7544

EEO Code: N-07

Pay Grade: LT-18

Group: Labor and Trades

Series: Equipment and Plant Maintenance

Effective date: July 2, 2018