

## **CLASS TITLE: ELECTRICIAN III**

**PURPOSE OF THE CLASSIFICATION:** Under general supervision is responsible for skilled repair, installation, modification, maintenance and operation of electrical systems and equipment in accordance with permits, regulations and policies and performs other related assigned duties.

### **ESSENTIAL TASKS:**

- Directs and schedules the work of electricians and other staff performing electrical and electronic installations, maintenance and repair
- Reads and analyzes blueprint diagrams and schematics of manufactured electrical systems
- Performs work as an electrical journeyman on the City's water and wastewater systems, including 13,200 volt power distribution systems, transformers, switchgears and motor control centers
- Creates, directs and monitors an in-house electrical safety program in conformance with City policy and ODOL regulations
- Makes recommendations for modifications or additions to improve existing electrical and electronic systems, directing implementation of approved recommendations
- Responsible for 24-hour operation of electrical and electronic systems to ensure compliance with federal, state and local operating permits
- Reviews specifications and engineered drawings for conformance with NEC and current technology
- Orders and maintains an inventory of essential parts and supplies
- Prepares complete and accurate reports of planned, current and completed electrical work
- Trains electricians, technicians and others involved in electrical work
- Maintains a 13,200 voltage distribution system and all facility electrical equipment
- Leads a small number of employees in lower classifications

**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 six (6) years' experience in the maintenance, repair and operation of electrical systems and equipment; or completion of an approved 2-year technical school program in a related field, and five (5) years of experience in the maintenance, repair and operation of electrical systems and equipment. Both options should include at least two (2) years as a class "A" Journeyman Electrician; lead or supervisory experience preferred; or an equivalent combination of training and experience per Personnel Policies and Procedures, Section 128.

Employee will be eligible for a one step increase upon completion six (6) months experience as an Electrician III and upon completion of thirty (30) accredited college hours, or 4000 documented hours experience as a Licensed Unlimited Electrical Journeyman; and one (1) Progression Program Core Curriculum Course (Communication or Human Relation Skills) approved by the Supervisor; employees in the Water & Sewer Department must also obtain the relevant Class C Water/Wastewater license as issued by the Department of Environmental Quality (DEQ).

Employee will be eligible for a second one step increase upon completion of twelve (12) months experience as an Electrician III; and upon completion of 4500 documented hours experience as a Licensed Unlimited Electrical Journeyman, or completion of sixty (60) accredited college hours or associates degree from an accredited college.

Employee will be eligible for a third one step increase upon completion of twenty-four (24) months experience as Electrician III; and upon completion of 5000 documented hours experience as a Licensed Unlimited Electrical Journeyman, or completion of bachelor's degree from an accredited college in electronics or related field, and possession of an Oklahoma Class "B" Commercial Driver's License (CDL).

Knowledge, Abilities, and Skills: Comprehensive knowledge of the standard practices, materials, tools and equipment of the electrical trade; comprehensive knowledge of the maintenance, repair, testing and

hazards of a 13,200 voltage electrical distribution system; comprehensive knowledge of occupational hazards of the electrical trade and appropriate precautionary safety measures; considerable knowledge of electronic circuitry and the principles, tools and equipment used to repair and maintain; considerable knowledge of the installation, maintenance, modification, repair and testing of heavy industrialized electrical systems and equipment; and good knowledge of Programmable Logic Controllers. Ability to read, interpret and work from blueprints, diagrams and schematics; ability to diagnose, locate and repair defects in complex electrical, mechanical and electronic systems and equipment; ability to work with high voltages; ability to make time and material estimates; ability to perform heavy work in adverse weather conditions for prolonged periods of time; ability to work from an aerial lift, extension ladders and heights; ability to train and lead the work of others; and the ability to understand and influence the behavior of others within the organization, customers or the public in order to achieve job objectives and cause action or understanding. Applicant must be skilled in the use and care of electrician tools and electrical equipment.

Physical Requirements: Physical requirements include standing and walking; frequent lifting and carrying up to 20 pounds; frequent pulling up to 60 pounds; occasional lifting and carrying up to 60 pounds; occasional pushing 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 unlimited Journeyman Electrician's License as issued by the State of Oklahoma; in some positions employees will be required to obtain a valid Class "C" Water/Wastewater License as issued by the Department of Environmental Quality (DEQ) within one (1) year of hire date; and in some positions a valid Class "B" Commercial Driver's License (CDL) may be required within six (6) months of hire date.

**WORKING ENVIRONMENT:** Working environment is primarily outdoors and in inclement weather and occasionally indoors. May be exposed to the following: hazardous materials, animal waste/dead animals, flammable liquids, traffic, cramped work areas, suspended catwalk areas, excessive heights and dust, weather/temperature extremes, trench excavations, underground gas/electric/petroleum/water/wastewater lines, rough terrains, cutting/chipping/grinding, sewage, damp/wet surfaces, snow/ice covered surfaces, insect bites, poisonous plants, overhead power lines, confined spaces, high voltages and noise areas; may be required to work overtime and be on 24-hour standby.

**Class Code: 7501**

**EEO Code: N-07**

**Pay Grade: AT-32**

**Group: Engineering, Planning and Technical**

**Series: Communications, Operations and Maintenance**

**Effective date: July 2, 2018**