



## PRINCE GEORGE COUNTY, VIRGINIA

March 2023

### ELECTRICIAN

*FLSA Status: Non-Exempt*

#### **GENERAL DEFINITION AND CONDITIONS OF WORK:**

Performs difficult skilled work installing, troubleshooting, repairing and maintaining electrical systems and related equipment; does related work as required. Work is performed under regular supervision.

Performs work of moderate difficulty in the installation, repairing, troubleshooting and maintaining of electrical systems and related equipment. Work is performed under regular supervision. This work requires the regular exertion of up to 10 pounds of force, frequent exertion of up to 25 pounds of force and occasional exertion of up to 50 pounds of force; work regularly requires using hands to finger, handle or feel, frequently requires standing, walking, speaking or hearing, climbing or balancing, stooping, kneeling, crouching or crawling, reaching with hands and arms, pushing or pulling, lifting and repetitive motions and occasionally requires sitting; work requires close vision, distance vision, ability to adjust focus, depth perception, color perception and peripheral vision; vocal communication is required for expressing or exchanging ideas by means of the spoken word and conveying detailed or important instructions to others accurately, loudly or quickly; hearing is required to perceive information at normal spoken word levels and to receive detailed information through oral communications and/or to make fine distinctions in sound; work requires preparing and analyzing written or computer data, using measuring devices, operating machines; work regularly requires exposure to the risk of electrical shock, frequently working in high, places and exposure to outdoor weather conditions and occasionally requires working near moving mechanical parts and exposure to bloodborne pathogens and may be required to wear specialized personal protective equipment.

#### **ESSENTIAL FUNCTIONS/TYPICAL TASKS:**

*(The following tasks are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.)*

#### **Provides skilled electrical preventative and corrective maintenance to a variety of systems and equipment to ensure proper operating conditions of electrical service.**

*(The following tasks are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.)*

Provide skilled maintenance on electrical service equipment, switchgears, panel boards, circuitry lighting, power devices, etc.;

Designs and engineers electrical system for power and lighting and installs lighting, power and other systems;

Troubleshoots electrical systems/equipment and makes repairs;

Wires buildings and makes additions to existing wiring;

Performs routine administrative and operations-service support duties such as coordinating service start-ups/shut-downs with electric company;

Completing work orders and obtaining pricing for and ordering parts, equipment, and materials; submitting quotes;  
Compiling, updating, and maintaining paperwork such as work/payment records, maintenance logs;  
Identifying maintaining and warehousing accurate inventory of parts/materials;  
Attends new construction and other meetings, as required;  
Participates in emergency response operations as required in a declared emergency by County officials;  
Completes required NIMS training as a condition of employment;  
Must have a valid Virginia Driver's License;  
Performs related tasks as required.

**KNOWLEDGE, SKILLS AND ABILITIES:**

Working knowledge of the principles and practices of electricity; of electrical systems and circuits; of National Electrical Code. Ability to read and interpret blueprints, specifications, and wiring diagrams. Extensive knowledge of occupational hazards and safety procedures. Ability to perform mathematical calculations, including algebraic and geometric operations used in the electrical field.

**EDUCATION AND EXPERIENCE:**

Any combination of education and experience equivalent to graduation from high school and three (3) years of electrical experience, preferably with one (1) year of experience as a journeymen electrician; or any equivalent combination of experience and training which provides the required knowledge, skills and abilities.

**SPECIAL REQUIREMENTS:**

Possession of Journeyman electrician's certificate issued by the County of Prince George and a valid Virginia Driver's license. May work beyond normal schedule; may be assigned routine scheduled coverage responsibilities under on-call policy.