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## NOTICE OF JOB OPENING

### POWER SYSTEMS ELECTRICAL TECHNICIAN

**Posting Date:** June 15, 2020  
**Department:** Light & Power  
**Reports to:** Power Systems Electrical Foreman  
**Salary Range:** Grade N16 – Salary Range - \$27.69 - \$40.91 per hour  
**Position Type:** Full-Time Non-Exempt  
**How to Apply:** Applications available at [bountifulutah.gov](http://bountifulutah.gov)  
**BOUNTIFUL CITY APPLICATION REQUIRED**  
Send to: Human Resources, 260 West 1050 South, Bountiful, Utah 84010  
Email: [jobs@bountifulutah.gov](mailto:jobs@bountifulutah.gov)  
**Application Deadline:** 6:00 P.M., Monday, June 29, 2020

#### Overview:

Under general supervision from the Power Systems Electrical Foreman, performs work associated with the installation, operation and maintenance of complex electrical systems associated with all Power Department Generation Plans, Electrical Substations, control and monitoring of Transmission and Distribution Systems, and other miscellaneous systems and equipment.

#### Essential Responsibilities:

- Performs work assignments related to the maintenance and operation of electrical substations including: power transformers, regulators, circuit breakers, buss work, air break switches, reclosers and all related automatic equipment and controls.
- Assists with the design, installation, maintenance, inspection, testing, adjustment and repair of protective relay systems, electrical control circuits, switchboard instruments, current and potential transformers, and all related equipment in all substations and generation plants.
- Maintains logs and records of maintenance on all substation and generation equipment.
- Sketches, checks and updates all electrical equipment circuit diagrams for all substations and generation plants.
- Assists with the maintenance and operation of the SCADA system and all related hardware, software, and communications equipment associated with the SCADA system.
- Assists with the maintenance of system records, and completion of regular system studies related to fuse coordination, power factor correction, and arc flash. Works with management to budget for and implement all study findings.
- Assists with the maintenance and operation of all hydroelectric generation plants including preparing and submitting Federal and State reports, maintenance records, permits, and operation budgets.
- Implements, prepares, and performs routine and emergency switching for all substations, transmission, and distribution systems as well as underground and overhead distribution systems to clear and restore power as quickly as possible.
- Assists with the maintenance and operation of the two-way radio communications system. Maintains licenses for all communication equipment.
- Assists with the construction and maintenance on all traffic signal controllers and associated equipment.
- Assists the Metering Department with their respective duties, including in their absence and when on call.
- Must carry a cell phone and be available for call out at any time of the day or night, year-round, regardless of weather conditions.
- Performs other duties of a like or lesser grade which may be assigned.

#### Knowledge, Skills and Other Characteristics:

- Ability to solve problems and make decisions using facts and personal judgment.
- Ability to communicate and report accurately, both verbally and in writing, and to work in sometimes stressful, high pressure situations.
- Must be self-motivated and able to motivate others.
- Must be able to understand the technologies in the work being performed including a thorough knowledge of substations and electrical systems.
- Understand the essentials of metering, relaying, power transformation and generation and their respective design operation and maintenance.
- Practical knowledge of electrical and electronic, digital, micro-processor theory and technology.
- Must have knowledge of the National Electric Code and the National Electrical Safety Code.
- Math skills: Requires mathematical development sufficient to be able to work with exponents, analytical geometry, and

algebraic functions with electrical and mechanical applications.

- Language skills: Must have developed language skills to the point to be able to read literature, technical journals, instruction manuals, financial reports, and legal documents. Must be able to write operational manuals, maintenance procedures, logs, maintenance reports and equipment specifications.
- Must be conversant in the theory, principles and methods of effective and persuasive speaking, voice and diction, phonetics, and discussions.

### **Physical Requirements:**

This position requires frequent physical effort. It may include frequent lifting of up to 40 lbs. and occasional lifting of up to 100 lbs. Bending, stooping, and/or lifting will be required. Requires walking, standing, working in different types of weather and conditions. Talking, hearing, seeing and distinguishing colors is required. Also requires the ability to operate aerial devices and the ability to climb structures using climbing equipment.

### **Environmental/Working Conditions:**

This position requires working in plants which produce sufficient noise, either constant or intermittent, to cause marked distraction or possible injury to the sense of hearing, and/or sufficient vibration to cause bodily harm without protection if endured day after day. This position requires working on, around, and in near proximity of high voltages ranging from 138 KV down, which can or could cause severe injury.

Requires rotating standby for holidays and potential for callouts outside of working hours.

### **Qualifications:**

Requires graduation from high school; two (2) years technical schooling in electrical or electronics; three (3) years experience with electrical systems performing Journeyman electrician work or an equivalent combination of education and experience.

Completion of an accredited Substation Technician apprenticeship program resulting in a Journeyman Substation Technician certification.

Must possess a valid Utah Driver's License and be able to pass a pre-employment background, drug and driving record check.