



NOTICE OF JOB OPENING

Journeyman Electrical Technician

Posting Date: February 28, 2025
Department: Power
Reports to: Power Systems Electrical Foreman
Salary Range: N-19 \$53.77
Position Type: Full-Time, Non-Exempt
How to Apply: Application available at bountifulutah.gov
City Application REQUIRED

Send to: Human Resources, 795 South Main Street, Bountiful, UT 84010
Email: jobs@bountiful.gov

Deadline to Apply: Sunday, March 16, 2025

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 Plants, Electrical Substations, control and monitoring of Transmission and Distribution Systems, and other miscellaneous systems and equipment.

Essential Job Functions:

Performs work assignments related to the maintenance and operation of electrical substations including power transformers, regulators, circuit breakers, buss work, air brake 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 both natural gas and hydroelectric.

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.

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 of 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.

Must live within a 20-minute response area.

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

Knowledge, Skills, and Abilities:

- 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.
- Knowledge of the National Electric Code and the National Electrical Safety Code.
- Requires mathematical development sufficient to be able to work with exponents, analytical geometry, and algebraic functions with electrical and mechanical applications.
- Must have developed language skills 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 pounds and occasional lifting of up to 100 pounds.

Bending, stooping, and/or lifting will be required.

Requires walking, standing, and working in different types of weather and conditions.

Talking, hearing, seeing, and distinguishing colors is required.

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.

Qualifications:

High School diploma

Two years of technical schooling in electrical or electronics

Three years of 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 have and maintain a valid Utah Class B CDL Drivers License.

Successfully pass a background check, a driving record check, and a pre-employment drug test