



**Submit resume and cover letter to:**  
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**Berthoud, CO 80513**  
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**Posted:** 2-14-2024  
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## Plant Electrician II

Division/Department: Operations/Collection Systems Department  
Reports to: Collection Systems Supervisor  
Location: Grand Lake, CO  
Type of Position: Full-time  
Status: Non-exempt  
Salary Range: \$40.15 - \$46.42

### GENERAL STATEMENT

This position performs supervised electric work in pump plants, power plants and appurtenant facilities including installation, maintenance, troubleshooting and repair of low to medium voltage generators, exciters, governor controls, transformers, power circuit breakers and auxiliary equipment.

### ESSENTIAL DUTIES AND RESPONSIBILITIES

- Installs, tests, repairs, and maintains electrical equipment in pumping plants, including overhead and underground electrical distribution systems.
- Connects and services electrical equipment such as motors, various types of transformers, power circuit breakers, and various types of switches and switchboards, including metering, relaying, recording, and control devices.
- Assists in operating high-voltage switches and related devices in implementing safe clearance procedures.
- Adjusts and repairs electrical equipment, makes splices and connections, installs conduit, and performs tests on low, medium, and high voltage circuits.
- Interprets and works from electrical schematics, drawings, and diagrams; and proficiently uses tools and equipment of the trade.
- Operates cranes and hoists as necessary.
- Performs inspections of electrical and/or mechanical systems, equipment, and devices regarding the construction of the facilities.
- Maintains satisfactory relationships with coworkers, water users, adjacent landowners, contract allottees, citizens, and taxpayers.
- Uses safety/protective devices provided by Northern Water in the performance of all duties. Examples of devices/equipment to be worn are hard hats, safety glasses, safety belts, steel-toed boots, hearing protection, arc flash safety equipment, and air monitors for confined space entry.
- Performs other duties as assigned.

### EDUCATION AND EXPERIENCE REQUIREMENTS

#### Education

- Graduation from high school supplemented with vocational training in electrical duties OR any equivalent combination of relevant education and/or specialized training and/or work experience. Journeyman Electrical license preferred.

#### Experience

- At least five years related electrical experience required. Must have knowledge of electrical and basic electronic equipment; knowledge of electrical blueprints, wiring diagrams, and schematics; and knowledge of electrical theory. Must have skills and experience in troubleshooting and maintaining electrical equipment and tools.
- Basic computer skills.
- Must know safety requirements.

### LICENSE, CERTIFICATE, AND CREDENTIAL REQUIREMENTS

- Valid driver's license.
- Applicant will be trained and licensed as required, annual certification in WAPA switchman's training, and USBR HECP FIST 1-1.
- Forklift and manlift certification.

### KNOWLEDGE, SKILLS, AND ABILITIES

#### Knowledge

- Machines and tools, including their designs, uses, repair and maintenance.
- Relevant equipment, policies, procedures, and strategies to promote effective local, and state operations for the protection of people, data, property, and institutions.
- PC applications (i.e., MS Word, Excel, etc.)
- Electrical and basic electronic equipment.
- Electrical theory and troubleshooting.
- Electrical blueprints, wiring schematics, and diagrams.
- Basic motor control.
- NFPA70 and NFPA70E.
- Basic PLC systems.

#### Skills

- Watching gauges, dials, or other indicators to make sure a machine is working properly.
- Conduit bending and installation.
- Understanding written sentences and paragraphs in work related documents.
- Conducting tests and inspections to evaluate performance.
- Repairing machines or systems using the needed tools.
- Determining causes of operating errors and deciding what to do about it.
- Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.
- Talking to others to convey information effectively.

#### Abilities

- Keeping hand and arm steady while moving arm or while holding arm and hand in one position.
- Listening and understanding information and ideas presented through spoken words and sentences.
- Making precisely coordinated movements of the fingers of one or both hands to grasp, manipulate, or assemble very small objects.
- Concentrating on a task over a period without being distracted.

- To work in environments containing spiders, snakes, rodents and other disagreeable elements with proper safety equipment or clothing.
- To work in, on, and around water ways.

### PHYSICAL REQUIREMENTS

- Climb ladders up to 300 feet in length.
- Walk on catwalks.
- Walk equivalent of 12 flights of stairs – multiple times per shift.
- Carry loads up to 75 pounds.
- Able to endure periods of driving, sitting, kneeling for extended periods.
- Enter confined spaces with proper confined space entry training.
- Work in noisy or dusty environments with proper Personal Protection Equipment.
- Work outside in all conditions using appropriate weather gear.
- Must be able to meet the physical requirements of a post job offer physical examination and screening.

Reasonable accommodations will be made to enable qualified individuals with disabilities to perform the essential functions of the job.

### OTHER REQUIREMENTS

- Maintains a personal appearance appropriate for job position and image of Northern Water.

**This job description in no way states or implies that these are the only duties to be performed by this employee.**

**Northern Water provides equal employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, genetics, veteran status, marital status, or other legally protected characteristics. Northern Water complies with applicable state and local laws governing nondiscrimination in employment in every location in which the company has facilities. Northern Water also prohibits any form of workplace harassment in accordance with these laws. This policy applies to all terms and conditions of employment, including recruiting, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.**