



POSITION: LINE MECHANIC  
DEPARTMENT: ELECTRIC  
REPORTS TO: DIRECTOR OF ELECTRIC OPERATIONS

CIVIL SERVICE: NO  
FLSA STATUS: NON-EXEMPT

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**SUMMARY:**

Under direction, performs responsible technical fieldwork involving the construction, maintenance, and related customer services of the electric distribution and generations systems.

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**SUPERVISES:**

N/A

**EQUIPMENT USED:**

Vehicles, standard office equipment and other powered equipment to perform a variety of job requirements.

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**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

The following duties are normal for this position. These are not to be construed as exclusive or all inclusive.

Other duties may be required and assigned.

- Performs construction and maintenance of overhead and underground electric distribution systems.
- Sets poles, lays cable, and installs wire, installs and repairs transformers and installs primary and secondary conductors.
- Troubleshoots faulty circuits and transformers.
- Trims trees as required to provide proper clearance for overhead conductors and locates underground conductors.
- Ability to use electrical test equipment including but not limited to phase meters, amp meters, recorder, and locate equipment.
- Ability to read and interpret utility maps and drawings.
- Patrols power lines to identify potential trouble areas.
- Operates a high lift bucket truck, digger derrick, trencher, and a dump truck.
- Maintains surveillance of electric system, identifying abnormal conditions and taking appropriate corrective actions.
- Available for 24-hour emergency on-call rotation.
- Follows OSHA procedures to ensure safety policies and procedures are enforced for the protection of the crews, co-workers and public.
- Assist in training Line Mechanic Apprentices.
- May act in the absence of the Lead Line Mechanic.

**MINIMUM QUALIFICATIONS:**

- High school graduation or equivalent. High voltage electrical training or experience. Additional consideration may be given to those who have completed a DOL Line Mechanic program.

- Ability to obtain a Class A with air brake endorsement commercial driver's license issued by the State of Iowa within 90 days of hire.
- Required to participate in additional powerline training.
- Gain knowledge of the practices, methods, and equipment used in the construction, maintenance and installation of electric utility transmission and distribution systems.
- Understanding of basic electrical theory including working voltages of 120V to 480V Secondary Y & Delta and 2,400V to 69,000V Primaries Y & Delta.
- Math abilities to support reporting, metering and calculations of amps, volts, watts, and other electrical formulas.
- Ability to gain knowledge of IOSAH, OSHA, ANSI, NEMA, and IEEE standards, City and State codes, and IMU requirements for electrical application.
- Subject to a post-offer physical, physical capacity test, drug and alcohol screening and background check.

**REQUIRED PHYSICAL ACTIVITIES:**

- Ability and dexterity to use tools and equipment of electric line work in a safe and efficient manner around energized lines and equipment.
- Ability to climb poles and towers to perform all phases of electric transmission and distribution construction and maintenance work.
- Ability to climb in and out of trenches and lift up to 75 pounds.
- Ability and dexterity to work in confined places.

**PHYSICAL REQUIREMENTS:**

- Driving, climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, finger dexterity, grasping, felling, hearing, and repetitive motions.
- Sitting approximately 5 percent of the time.
- Sitting and using arm/leg controls 25 percent of the time.
- Standing (but not walking) 15 percent of the time.
- Standing and walking 55 percent of the time.
- Frequently lifting objects up to 10 pounds.
- Routinely lifting objects up to 50 pounds.
- Occasionally lifting objects over 50 pounds.

**ENVIRONMENTAL CONDITIONS:** The work is performed inside and/or outside and includes being exposed to extreme heat/cold, noise, vibration, mechanical hazards, chemical hazards, oils, confined spaces, and darkness or poor lighting conditions, and isolation. Ability to perform work in severe and adverse weather conditions for extended periods of time.

**VISION REQUIREMENTS:** The minimum standard for use with those whose work deals largely with reading, visual inspection involving small defects, small parts, operation of machines (including inspection).

**DISCLAIMER:** All duties and requirements in this job description have been determined by the employer to be essential job functions consistent with ADA requirements and are representative of the functions that are necessary to successful job performance. They do not, however, reflect the only duties required. Employees in this job class will be expected to perform other job-related duties when it can be reasonably implied that such duties do not fundamentally change the basic requirements, purpose or intent of the position.