



SPRINGFIELD UTILITY BOARD

Job Description

TITLE: Journey-Level Line Technician

STATUS: Non-exempt / Union - IBEW

REPORTS TO: Electric Operations Manager

RANGE: Contract

with crew leadership from the Line Crew Leader

POSITION SUMMARY: The Journey-Level Line Technician position performs overhead and underground electric line construction and the operation and maintenance of lines under the direction of assigned Line Crew Leader. Responsibilities include, but are not limited to: driving trucks, operating equipment, loading and unloading materials, climbing poles, working from aerial lift devices. Performs other duties as assigned.

MAJOR RESPONSIBILITIES

Essential Functions

1. Supports and models behavior to promote the Mission and Core Values of SUB to staff and customers.
2. Develops and maintains professionalism and effective teamwork in the performance of job duties.
3. Maintains reliable and predictable attendance.
4. Performs overhead and underground electric line construction, operation, and maintenance of equipment under the direction of assigned Line Crew Leader.
5. Installs, operates and maintains overhead facilities according to SUB standards and the NESC.
6. Installs, operates and maintains underground facilities according to SUB standards and the NESC.
7. Uses electric line construction equipment to include, but not limited to, stringing equipment, backhoes, derrick diggers, material handlers and trucks.
8. Trouble shoots electric transmission, distribution and customer service problems.
9. Performs work on energized electrical lines and equipment (“hot” work).
10. Efficiently and safely performs line work while on a pole or in a bucket truck.
11. Loads and unloads materials.
12. Possesses and displays a working knowledge of work rules and safety practices.

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13. Responds with sound judgement to unusual and hazardous circumstances.
14. Represents Springfield Utility Board in a manner conducive to good public relations.
15. Maintains a current Oregon CDL Class A driver's license and good driving and safety record.
16. Possesses a working knowledge of and abides by SUB working rules and safety practices, SUB policies and procedures and the IBEW contract.
17. Maintains responsibility for verifying the condition of all vehicles, equipment and tools provided for use in the performance of company work.

Marginal Functions

None

Given the dynamic and challenging environment of the utility industry and our mission to provide exceptional service to our internal and external customers, additional duties and responsibilities, other than those listed in this job description, may be assigned (contingent on labor agreement provisions, if applicable). Your supervisor will communicate these changes either formally or informally, verbally or in writing.

Attributes

SUB strives to promote a safe, positive and caring work environment. In addition to the above responsibilities, the following attributes are essential to be a successful employee at SUB:

- Being committed to SUB's Mission and Core Values
- Complying with safety practices and policies
- Being professional, honest, courteous and respectful to others in your conduct
- Being responsive to suggestions to improve performance
- Being flexible to adapt to a changing work environment
- Performing as a productive team member
- Being accountable for your own performance, behaviors and contributions
- Taking the initiative to accomplish your responsibilities to the best of your ability

These qualities in our employees ensure that working at SUB is motivating, fun and enjoyable while performing a valuable service to our utility and community.

OTHERS SUPERVISED

- None

MINIMUM QUALIFICATIONS

Experience

- Successful completion of a recognized Journey-Level Line Technician Apprenticeship program that includes a minimum three years of related on-the-job training

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- Prior experience working in an electric utility preferred

Education/Licenses/Certifications

- Successful completion of a recognized Journey-Level Line Technician Apprenticeship program that includes a minimum three years of related on-the-job training
- High school diploma or equivalent.
- Possess and maintain current First Aid, CPR/AED certificates, or the ability to acquire within six months of employment.
- Driving is an essential function of this position. Therefore, a valid Oregon CDL Class A driver's license (must obtain within first six-months) is required.

Knowledge, Skills & Abilities

- Proficiency in the proper use and responsible care of tools and equipment used in power line construction and maintenance

PHYSICAL AND MENTAL REQUIREMENTS

- **ALERTNESS & CONCENTRATION:** Maintains full alertness and concentration at all times while working on top of poles, work platforms, on the ground and around energized wires, even in inclement climatic conditions, at night and through emergency storm shifts of up to approximately 30 hours, with breaks only for meals.
- **ABILITY TO DEAL WITH STRESS:** Makes decisions quickly and calmly when employees or oneself are working on poles near energized wires. Thinks and reacts quickly if accidents occur, including when in exceptionally dangerous situations involving energized wires or a pole top. Interacts well with co-workers, including when working with other Line Technician's or Line Crew Leader's in exceptionally stressful situations.
- **VISION:**
 - Far Visual Acuity:** Assesses status of fixtures (i.e. wires, and devices) on top of a 45-foot pole from the ground. Sees adequately to drive or operate equipment.
 - Near Visual Acuity:** Reads small print stamped on metal plates on transformers.
 - Peripheral Vision:** Maintains full field of vision in all directions to assess proximity to energized wires, co-workers, movements of bucket and other equipment, or objects falling from above. Assesses position of knuckle on bucket truck boom in relation to overhead wires while maneuvering the bucket or observing workers.
 - Color Vision:** Judges red, green and yellow traffic lights adequately to drive line trucks on highways. Differentiates red and green control lights on switching equipment and color of underground utility locate paint.
 - Depth Perception:** Judges depth very accurately to: (1) Ensure positive contact of a connector and an energized wire when using an eight-foot hot stick, when missing contact would cause a dangerous arc; (2) Assess position of the top of a pole with respect to overhead lines while moving the butt of a pole on the ground when setting poles between energized wires; and (3)

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Assess position of the end of a boom holding a load (i.e. a transformer) from the ground up to 50 feet away, while attempting to get the load within a few inches of the correct position.

Night Vision: Maintains the visual abilities listed above when working at night and in poor light and inclement weather conditions.

- **HEARING:** Hears spoken conversation well while employees (or oneself) are working on top of a 45-foot pole and communicating with a co-worker on the ground, despite heavy background noise from traffic, construction equipment, rain or wind, and when visual signals cannot be used. Hears accurately the high-pitched "fuzzing" noise (about 6,000 Hertz) which occurs when making certain types of connections on energized wires. Hears adequately to operate a two-way radio.
- **COMMUNICATION:** Communicates clearly to be accurately understood and to accurately understand others when on top of a 45-foot pole and speaking to a co-worker on the ground, or when up to 100 feet away from a co-worker when energizing conductors, despite heavy background noise from traffic, construction equipment, rain or wind, and when visual signals cannot be used. Speaks clearly, communicating by two-way radio.
- **STANDING:** Majority of time will be standing through the observing or working from the ground or in an aerial manlift. The worker may actually be up a pole four hours at one time, but maneuvers around the pole at intervals.
- **SITTING:** Worker sits on a bench-style pickup seat one and one-half hours maximum at one time while driving to a job site. Total sitting is two to three hours per shift.
- **WORKER MOBILITY:** Can change positions frequently.
- **WALKING:** Rarely walks one to two miles at a time on uneven ground. More common maximum distance walked is 1/4 to 1/2 mile. Total walking per shift is 30% - 50%. Must be able to safely walk uneven ground and on wet or slippery surfaces caused by inclement weather conditions.
- **LIFTING/CARRYING:** 0-10 lbs. - Continuous; 11-20 lbs - Continuous; 21-50 lbs. - Frequently; 51-75 lbs. - Frequently; 75-100 lbs. – Occasionally. Worker climbs the pole wearing a belt with 24 lbs. of gear and tools. When positioning a cross-arm, worker may take the full 95 lb. weight while holding them in place up to 10 seconds until it is secured into position. When performing a pole top rescue of co-worker may take full weight of victim on rescuers belt (could be over 200 lbs). Take full weight of two spans of wire (about 150 lbs) on shoulder while lifting it up one foot onto an insulator or arm's length around the end of a cross-arm using body belt, safety strap and hooks. The hot stick is a telescoping plastic pole that extends to a length of 36 feet and is used to lift parts weighing up to eight pounds up to the pole. Insulators or cross-arms weighing 96 lbs. may be lifted from below waist level to shoulder height up to five times per day. This would involve some twisting because these items would come up on a hand line.
- **PUSHING/PULLING:** The 350 MCM triplex (2-inch diameter wire weighing 1.2 lbs. per foot) is pushed through a 3-inch conduit, often while bent over in a ditch for up to 15 minutes at a time, 4 times a day. Also may be done while up on pole, standing on hooks, wearing a body belt. Other pushing/pulling would involve using a rake when finishing an underground project.

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- **REACHING/HANDLING:** While on a pole, worker occasionally works at full extent of his/her reach and leans back while using tools, often standing on one leg and in awkward positions. May be required to maneuver a chain saw at top of pole to cut off part of pole. Grips and firmly holds hand tools, lines and equipment for several minutes at a time, often at arm's length while up on a pole. Squeezes wire cutters to cut 10 mm wire with steel core. Operates finger controls and rotates hot sticks deftly to remove cotter keys from suspension insulators. Threads nuts and washers on cut outs and fixes fuses. Tapes sleeves of wires perfectly and splices rope. Uses tools wearing heavy gloves. Operates five lever controls on buckets of aerial man lifts as well as knobs and levers on wire pulling machine when stringing new wire. Gives hand signals when setting poles. Writes reports and draws diagrams. Uses feet to operate eight buttons which control movements of baskets of aerial man lifts. Uses jack hammers, chain saws, electrical drills, hydraulic tree trimming saws and hydraulic tamps.
- **TWISTING:** Rotates head fully to both sides to observe equipment and co-workers while maintaining body in awkward position on poles. Some twisting is required when lifting items that are brought up to the lineman on a hand line. Often works in awkward positions when on the pole.
- **CLIMBING:** Climbs in and out of buckets and baskets of aerial man lifts with tools and equipment. Climbs 30-90- foot poles using hand safety belt and climbing hooks on boots while carrying 24 lbs. of equipment. Climbs to ends of cross-arms and down onto suspension ladders on transmission towers. Climbs into manholes into underground vaults. Climbs hills and walks over uneven ground while carrying equipment. Climbs 90-foot transmission poles while carrying equipment, rarely. Most poles are 30-50 feet.
- **ENVIRONMENTAL FACTORS:** Performs a variety of strenuous tasks outside with temperatures varying from below zero to over 100 degrees, sometimes in rainy, windy, snowy or icy conditions. Works around high voltage wires, using hot sticks and insulated rubber gloves when appropriate. Exposed to noise from traffic construction equipment near construction sites, jack hammers, hydraulic saws and tamps, and chippers, used when tree trimming, as well as chain saws up to six hours per day. Hearing protection is provided. Works in confined spaces, such as underground vaults requiring entry through a manhole. Works in ditches 60 inches deep by 24 inches wide when laying underground wire. Exposed to numerous types of pollen, depending on location, season or climatic conditions. Bee/wasp stings, animal bites or poison oak may also occur.
- **PRODUCTS AND MATERIALS:** Lumber, wire, bolts. Exposed to chemicals used to treat poles primarily through skin contact, or inhaling wood dust after drilling. Exposures may include creosote, pentachlorophenol or keminite. Exposed to 1,1,1, - trichloroethane and perchloroethylene, used to clean cables before splicing when installing underground wires. The solvents are placed on a rag and the cable is cleaned. This is often done in the ditch. Exposed to silica-based paints while painting transformers. Some mineral oils are used if transformers or other equipment is damaged.
- **MACHINES/TOOLS/EQUIPMENT:** Power tools, hand tools, jack hammers, chain saws, hydraulic tree trimming saws, hydraulic tamps, rakes, aerial lifts, Digger Derrick Cranes, trucks, variety of equipment and hot sticks.

Persons with special needs may be able to perform the essential duties of this class with reasonable accommodation. Reasonable accommodation will be evaluated on an individual basis and depends, in

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part, on the specific requirements for the job, the limitations related to the disability and the ability of the department to accommodate the limitation.

Revised: March 7, 2022