

JOB DESCRIPTION
HIBBING PUBLIC UTILITIES COMMISSION

Department: Electric Distribution

Job Title: Lineman

<u>Job Evaluation</u>	<u>Date of Evaluation:</u> 7/1/09
Know-How <u>152</u>	Problem Solving <u>43</u>
	Accountability <u>57</u>
Total Points: <u>252</u>	Job Classification: <u>13</u>

Primary Source of Supervision: Director of Electrical Systems, Line Foreman, and Lead Lineman

Qualifications (Minimum): Graduate from an accredited Line School and completion of a State of MN accepted apprenticeship program. Qualified per OSHA Standard 1910.269 including but not limited to CPR/First Aid, pole top and bucket rescue, pole climbing to Level 3, etc.

Direction Exercise: Helpers, apprentices, and other workman as required.

Primary Function: Installs, repairs, and maintains all power transmission lines, transformers and related equipment, and streetlighting systems in area served by the Public Utilities. Responsible for compliance with all OSHA, Utility, and regulatory agency safety regulations and requirements as applicable to the duties of the job.

Equipment: Line trucks, bucket trucks, digger derrick, dump trucks, pick-up, trencher, back-hoes, nut cracker hoe, forklift, appropriate test equipment, chain saws, brush cutter, chipper (air and hydraulic), jack hammers, high and low voltage testers, high and low voltage hypot/thumping machines, cable locator, high voltage switch, shotgun-extendo sticks, power and hand crimpers & cutters, pike poles, gas and electric vacuums, air compressors, hogging tools, and all appropriate line hand and power tools, equipment, and digging implements.

Unusual Job Conditions: Energizes high voltage – 22 kV, outside environment, confined spaces, works in all weather outages.

Working Procedure:

1. Receives instructions from supervisor.
2. Receives wiring diagrams, specifications, and instructions covering emergency repair, installation, or inspection work to be performed.
3. Interprets prints and wiring diagrams to locate and install circuits and equipment to determine material or replacement needs and a logical approach to troubleshooting and repair work.
4. Plans working procedure for job as follows: Observes all safety precautions and the proper isolation of a circuits to cause a minimum of interference to operations. Determines necessary tools and materials. Plans and performs work requiring a general working knowledge of electrical principles, wiring specification codes, properties of various materials and wiring specification codes, properties of various materials and principles of operation and applications of power transmission lines, transformers, circuits breakers, switch gears, and other related equipment.

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Lineman (Continued)

5. Located sources of trouble by tracing and testing circuits and inspection for faulty operations. Isolates circuits, dismantles, inspects, repairs, and adjusts or replaces faulty parts and wiring on transmission lines or equipment. Works in close proximity to live high tension lines. Works on hot lines. Works overhead on poles and buckets. Operates digger derrick to dig holes; erect poles; and installs crossarms, insulators, pole hardware, pole transformers, etc.
6. Installs conduit, fitting, fixtures, and wiring. Makes electrical connections as required for new installations or replacement of facilities. Makes all required connector joints and splices for rubber or lead covered cable 25kV to 600V.
7. Installs streetlighting. Digs trenches, lays cable, erects standards, hooks up leads and power. Installs feeders and lights. Handles lighting complaints, checks tests and repairs.
8. Maintains and rebuilds substations, changes transformers voltage regulators and auxiliary equipment.
9. Remove and installs overhead wire, place on reels and store. Installs underground wiring and padmounted transformers.
10. Operates line equipment to assist other crews.
11. Keeps work areas in clean and orderly condition.
12. Driver license A.
13. Qualified in pole climbing, pole top rescue, bucket rescue, and self-rescue.
14. CPR and First Aid training – annual.
15. Qualified fork lift operator.
16. Competent person for excavating.