

JOURNEYMAN LINEMAN

CITY OF CHANUTE

ELECTRIC DISTRIBUTION

POSITION DESCRIPTION

Performs highly skilled, journey-level transmission, distribution, and electrical work in the installation, construction, maintenance and repair of underground and overhead electrical transmission, distribution and service lines, transformers, meters, metering equipment, some substation and related equipment. Other duties include climbing wood poles, ladders and some towers. Works under the direct supervision of Line Foreman and/or Crew Foreman.

EMPLOYEE VALUES

All employees of the City of Chanute are expected to uphold and exhibit the City's shared employee's values of Knowledge, Respect, Integrity and most importantly their Safety.

MINIMUM QUALIFICATIONS

Any combination of training, education and experience equivalent to graduation of High School or GED. Completion of an apprenticeship program in the lineman trade. Experience as a journey-level lineman engaged in the installation, maintenance and repair of power lines, transformers or related equipment. Must possess a valid CDL-Class A driver's license.

MENTAL ABILITY

Reads and interprets construction plans and schematics related to the installation of electrical power distribution lines. Prioritizes own work assignments. Comprehends and makes inferences from written material. Analyzes voltage recordings, charts and electric trouble reports to make recommendations on replacing or upgrading transformers, services, or related equipment. Determine the equipment, tools, materials and manpower needed to complete assigned projects. Learns job-related material through on-the-job training and in classroom settings.

ESSENTIAL DUTIES

- Responsible for the maintenance and proper use of all vehicles, equipment and tools which are assigned.
- Will complete all work in a prompt, safe, economical, workmanlike manner.
- Responsible for safety on each job, knowledge of state and federal laws and safe work practices.
- Makes contact with customers before AND after doing work that may impact their services.
- Lays out and assigns job tasks to Apprentice Lineman.
- Must be involved in tail-gate meetings at the start of EVERY job and to clearly communicate the danger each job presents.
- Insures timely completion of jobs with a MAXIMUM emphasis on SAFETY.
- Strings, splices, transfers and sags wire in energized or de-energized circuits and connects wires and transformers as specified or directed. Shortens or lengthen lines by adding or removing wire, using a variety of splices, connectors, sleeves or clamps. Regularly works above ground on poles using climbers and safety belt or operating a boom truck. Uses a variety of underground locating and fault finding equipment.
- Routes or re-routes power lines over, under or around existing lines and structures, regularly working above, on, or in close proximity to energized lines. Selects and uses a variety of "hot line" tools and makes use of rubber gloves, line hoses, mechanical jumpers, fiber guards, blankets and

other protective devices as specified.

- Installs, removes, transfers, maintains and/or repairs cross arms, pins, insulators, guys, transformers and switch racks and other overhead pole and underground residential distribution equipment using a variety of hand tools, equipment and power tools.
- Installs and removes transformers, including primary and secondary current transformers and self-contained meters; cut-outs, disconnecting switches, circuit breakers and other overhead line and U.R.D. devices.
- Performs line switching or sectionalizing as directed. Performs emergency repairs, phases and connects circuits under load; performs load checks and balances feeders as required.
- Inspects lines, poles and equipment for signs of damage or wear and reports problems.
- Must be able to troubleshoot electrical problems on company and customer equipment on overhead and underground distribution lines and to restore power in a safe and timely manner.
- Other duties as assigned.
- The duties listed above are intended only as general guidelines of the various types of work that may be performed. Job descriptions are subject to change by the City as the needs of the City and requirements of the job change.

POSITION REQUIREMENTS

- Thorough knowledge of and skill in applying the methods, tools and equipment used in electrical system maintenance and construction.
- Thorough knowledge of the structural features of the City's electrical systems and related equipment, including loop feed switches, 69KV switches and the location of all feeder and 69KV switches.
- Required to know the location of lines, voltages, sources of power, direction of feeds, locations of fuses, breakers and regulators in order to have current knowledge of the transmission and distribution system in the area to which assigned.
- Good physical condition is required.
- A willingness and ability to work with other City employees and serve on various committees. Will work with the Power Plant, metering and Engineering personnel as required by Superintendent and Line Foreman.
- A thorough knowledge and understanding of all applicable safety rules, regulations and practices is required.
- Insures adherence to all safety rules of the trade including American Public Power Association (APPA), OSHA, National Electric Code and National Electric Safety Code Guidelines in all phases of construction and maintenance of distribution lines.
- Must have knowledge of the methods, materials and equipment used in the lineman trade; Electrical theory, A/C and D/C Theory, Underground and Overhead Distribution, Bucket/Pole top rescue.
- Required to understand and follow verbal and written instructions; and establish and maintain effective working relationships with management, co-workers, other City employees and the general public.
- Required to have thorough knowledge and complete understanding of Three Phase Delta and Three Phase Wye Transformer banks and how to properly wire and fuse each bank respectively.
- Possess a valid CDL-Class A Kansas driver's license.

PHYSICAL REQUIREMENTS
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*In terms of an 8 hour workday, "Seldom" equals 1% or less; "Occasionally" equals 2-33%; "Frequently" equals 34-66%; and "Continuously" equals 67-100%.

1. In an 8 hour workday, employee must: (Check full capacity for each activity)

a. Sit	-No. of Hours.1(<u> </u>); 2(<u>x</u> <u> </u>); 3(<u> </u>); 4(<u> </u>); 5(<u> </u>); 6(<u> </u>); 7(<u> </u>); 8(<u> </u>)
b. Stand	-No. of Hours.1(<u> </u>); 2(<u>x</u> <u> </u>); 3(<u> </u>); 4(<u> </u>); 5(<u> </u>); 6(<u> </u>); 7(<u> </u>); 8(<u> </u>)
c. Walk	-No. of Hours.1(<u> </u>); 2(<u> </u>); 3(<u>x</u> <u> </u>); 4(<u> </u>); 5(<u> </u>); 6(<u> </u>); 7(<u> </u>); 8(<u> </u>)

2. Employee's job requires

	Seldom	Occasionally	Frequently	Continuously
a. Bend/Stoop	_____	<u>x</u> _____	_____	_____
b. Squat	_____	_____	_____	_____
c. Crawl	<u>x</u> _____	_____	_____	_____
d. Climb (Height <u> </u>)	_____	<u>x</u> _____	_____	_____
e. Reach above shoulder	_____	_____	<u>x</u> _____	_____
f. Crouch	<u>x</u> _____	_____	_____	_____
g. Kneel	<u>x</u> _____	_____	_____	_____
h. Balance	_____	_____	_____	<u>x</u> _____
i. Push/Pull	_____	_____	<u>x</u> _____	_____

3. Employee's job requires carry/lift

a. Up to 10 lbs	Seldom	Occasionally	Frequently	Continuously
b. 11--24 lbs	_____	_____	<u>x</u> _____	_____
c. 25--50 lbs	_____	<u>x</u> _____	_____	_____
d. 51--74 lbs	_____	<u>x</u> _____	_____	_____
e. 75--100 lbs	<u>x</u> _____	_____	_____	_____
f. Over 100 lbs	<u>x</u> _____	_____	_____	_____

4. Job requires employee to use feet for repetitive movements:

a. Right	Yes	No
b. Left	<u>x</u> _____	_____
c. Both	<u>x</u> _____	_____

5. Job requires employees to use hands for repetitive movements such as:

	Simple Grasping	Firm Grasping	Fine Manipulation
a. Right	Yes <u>x</u> No <u> </u>	Yes <u>x</u> No <u> </u>	Yes <u>x</u> No <u> </u>
b. Left	Yes <u>x</u> No <u> </u>	Yes <u>x</u> No <u> </u>	Yes <u>x</u> No <u> </u>

6. Employee's job requires:

a. Working on unprotected heights	Yes	No
b. Being around moving machinery	<u>x</u> _____	_____
c. Exposure to marked changes in temperature and humidity	<u>x</u> _____	_____
d. Driving (vehicular/construction) equipment	<u>x</u> _____	_____
e. Exposure to dust, fumes and gases	<u>x</u> _____	_____

7. Other requirements/comments: