

Substation Technician Foreman

Freeborn Mower Electric Cooperative is accepting applications for a full-time Substation Technician Foreman. The Substation Technician Foreman is responsible for general installation and maintenance of substation equipment. The position installs, commissions, maintains and troubleshoots substation power transformers, circuit breakers, oil circuit reclosers, load tap changers, voltage regulators and controls, capacitor banks and controls, circuit switchers, lightning arresters, battery chargers, motors, underground high voltage and control cables in distribution substations.

The successful candidate will possess 2 years of formal education in electrical and electronic theory and fundamentals or 10 years electrical construction experience. Applicants must hold a MN Class A CDL and Medical card. Must be willing to work long overtime hours to maintain continuity of service as emergencies may require. This is an hourly, union position.

FMEC offers a competitive salary and a challenging work environment working with new technologies. This position requires heavy lifting and outdoor work in all kinds of weather. Upon offer of employment, FMEC will require that the accepted applicant pass a physical examination and drug/alcohol screening.

Interested parties should complete the application found online at <http://www.fmec.coop> and submit or mail along with current résumé to:

Freeborn Mower Electric Cooperative
Attn: HR Coordinator
PO Box 611
Albert Lea, Minnesota 56007

DEADLINE: Wednesday, February 22, 2023

This institution is an equal opportunity provider and employer.

OBJECTIVES

The Substation Electrician Foreman plays an important role in the operation of the cooperative. This person is responsible for general installation and maintenance of substation equipment.

Work is performed under the supervision of the Manager of Operations or the Director of Engineering and Operations.

RESPONSIBILITIES

- Installs, commissions, maintains and troubleshoots substation power transformers, circuit breakers, oil circuit reclosers, load tap changers, voltage regulators and controls, capacitor banks and controls, circuit switchers, lightning arresters, battery and battery chargers, motors, underground high voltage and control cables, in distribution substations.
- Commissions, maintains and troubleshoots oil switches.
- Installs and maintains fiber optic cable from terminal equipment and control panels to high voltage substation equipment.
- Installs substation protective relays, substation metering, substation interchange metering, substation current transformers, fiber optic and metallic inner-panel cable, distribution automation communications circuits from the Demarc to internal equipment.
- Performs line switching for substation maintenance and construction activities.
- Prepares and maintains records of equipment tests and maintenance, keeps operating records, prepares purchase authorizations and performs other administrative work as required.
- Makes special tests as directed in connection with operation, maintenance and design of all types of electrical equipment and systems.
- Trains fellow employees in related activities.
- Performs other similar, related or incidental duties.
- Supervision Given: May direct the work of a substation electrician apprentice.

POSITION REQUIREMENTS:

Education:

- 2 years formal education in electrical and electronic theory and fundamentals or
- 10 years electrical construction experience

Abilities and Skills:

- 4 years technical experience in the installation, maintenance, and repair of metering and substation electrical equipment. Related training through an accredited electrical apprenticeship program may be substituted for the two years formal education.
- Basic knowledge of the National Electric Safety Code (NESC), National Electric Code (NEC), and Rural Utility Service (RUS) Construction Standards.
- Knowledge of electric utility systems operation, maintenance and construction practices.
- Demonstrated mechanical ability.
- Ability to operate an infrared camera.
- Ability to read, interpret and demonstrate practical and theoretical knowledge of blueprints, maintenance manuals, technical manuals, electrical and electronic circuits and electrical equipment operating at power system frequency, and ability to analyze test results for the purpose of locating and remedying trouble in such circuits and equipment.
- Ability to work effectively in a culturally diverse work group.
- Minnesota Class A CDL and Medical card are required.
- Must be willing to work long overtime hours to maintain continuity of service as emergencies may require.

Physical Characteristics:

- Must have the physical ability to perform the essential functions of this position with or without reasonable accommodations and must present a neat, businesslike appearance.

FLSA Status:

- This position is a union position. The Substation Electrician Foreman will be governed by the union agreement. Daily time sheets will be maintained. This position is full-time with 40 hours per week.

PHYSICAL DEMANDS:

Activity	Percentage of Time										
Bending	0	10	20	30	40	50	60	70	80	90	100
Squatting	0	10	20	30	40	50	60	70	80	90	100
Crouching	0	10	20	30	40	50	60	70	80	90	100
Pushing/Pulling	0	10	20	30	40	50	60	70	80	90	100
Reaching above Shoulder level	0	10	20	30	40	50	60	70	80	90	100
Sitting	0	10	20	30	40	50	60	70	80	90	100
Standing	0	10	20	30	40	50	60	70	80	90	100
Twisting	0	10	20	30	40	50	60	70	80	90	100

Walking	0	10	20	30	40	50	60	70	80	90	100
Must Be Able To											
Reach overhead	0	10	20	30	40	50	60	70	80	90	100
Consistently move on your feet	0	10	20	30	40	50	60	70	80	90	100
Wear PPE	0	10	20	30	40	50	60	70	80	90	100
Climb Ladders	0	10	20	30	40	50	60	70	80	90	100
Lifting in Awkward Positions	0	10	20	30	40	50	60	70	80	90	100

Lifting

<= 10 lbs.	<u>From the Floor</u>	<u>From Waist Level</u>	<u>Overhead</u>	Rarely	Occasionally	<u>Frequently</u>
11 – 24 lbs.	<u>From the Floor</u>	<u>From Waist Level</u>	<u>Overhead</u>	Rarely	Occasionally	<u>Frequently</u>
25 – 34 lbs.	<u>From the Floor</u>	<u>From Waist Level</u>	<u>Overhead</u>	Rarely	Occasionally	<u>Frequently</u>
35 – 50 lbs.	<u>From the Floor</u>	<u>From Waist Level</u>	<u>Overhead</u>	Rarely	Occasionally	<u>Frequently</u>
51 – 75 lbs.	<u>From the Floor</u>	<u>From Waist Level</u>	Overhead	Rarely	<u>Occasionally</u>	<u>Frequently</u>

Carrying

Up to 10 lbs.	Rarely	Occasionally	<u>Frequently</u>	Distance 100'	Hours per day	6
11 – 24 lbs.	Rarely	Occasionally	<u>Frequently</u>	Distance 100'	Hours per day	6
25 – 34 lbs.	Rarely	Occasionally	<u>Frequently</u>	Distance 100'	Hours per day	4
35 – 50 lbs.	Rarely	<u>Occasionally</u>	Frequently	Distance 50'	Hours per day	1
51 – 75 lbs.	<u>Rarely</u>	Occasionally	Frequently	Distance 50'	Hours per day	.25

Pushing/Pulling

Up to 10 lbs.	Rarely	Occasionally	<u>Frequently</u>	Distance 10'	Hours per day	6
11 – 24 lbs.	Rarely	Occasionally	<u>Frequently</u>	Distance 10'	Hours per day	6
25 – 34 lbs.	Rarely	Occasionally	<u>Frequently</u>	Distance 10'	Hours per day	6
35 – 50 lbs.	Rarely	Occasionally	<u>Frequently</u>	Distance 10'	Hours per day	6

Simple Grasping

Right Hand	<u>Yes</u>	No
Left Hand	<u>Yes</u>	No

Firm Grasping

Right Hand	<u>Yes</u>	No
Left Hand	<u>Yes</u>	No

Pushing/Pulling

Right Hand	<u>Yes</u>	No
Left Hand	<u>Yes</u>	No

Fine Manipulation

Right Hand	<u>Yes</u>	No
Left Hand	<u>Yes</u>	No

Repetitive Movements

(i.e., typing, operating foot controls on motor vehicles)	Right Hand	<u>Yes</u>	No
	Left Hand	<u>Yes</u>	No
	Right Foot	<u>Yes</u>	No
	Left Foot	<u>Yes</u>	No

Work Environment

OUTSIDE	Never	Rarely	Occasionally	<u>Frequently</u>
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INSIDE	Never	<u>Rarely</u>	Occasionally	Frequently
AIR CONDITIONED	Never	<u>Rarely</u>	Occasionally	Frequently
SMOKE FREE AREA	Never	Rarely	Occasionally	<u>Frequently</u>
FUMES	Never	Rarely	<u>Occasionally</u>	Frequently
GROUND LEVEL	Never	Rarely	Occasionally	<u>Frequently</u>
USE OF STAIRS	Never	Rarely	<u>Occasionally</u>	Frequently
WORK IN DUSTY CONDITIONS	Never	Rarely	Occasionally	<u>Frequently</u>
WORK WITH COMPUTERS	Never	<u>Rarely</u>	Occasionally	Frequently
WORK WITH OTHER PERSONS	Never	Rarely	Occasionally	<u>Frequently</u>
WORK WITH MEMBER	Never	Rarely	<u>Occasionally</u>	Frequently