

SUBSTATION TECHNICIAN

Lamar County Electric Cooperative – Blossom, TX

1 JOB PURPOSE:

Provide support to the Transmission and Substation Department. Assists with the inspection, testing, maintenance, troubleshooting and repair of substation electrical equipment, along with Distribution-level special equipment, to ensure safe and efficient operation in providing uninterrupted service to the members of Lamar County Electric Cooperative.

2 RESPONSIBILITY AREAS & FUNCTIONS:

- (a) Support the Substation Transmission Department
- (b) Helps maintain LCEC's Substations, Transmission and Distribution System Equipment:
- (c) Inspects, repairs, and calibrates all substation equipment including but not limited to:
 - (1) Transformers
 - (2) Circuit Switches
 - (3) Regulators
 - (4) Capacitors
 - (5) Feeder Circuit Breakers
 - (6) Reclosers
 - (7) Motor Operated Switches
 - (8) Battery Chargers and Batteries
 - (9) Control Equipment
- (d) Installs and tests all LCEC owned substation protection relays and reclosers
- (e) Assists in the setup, operation, testing and maintenance associated with mobile substations, equipment, control wiring and voltage regulators.
- (f) Performs monthly/yearly inspections of the substations, LCEC owned Transmission lines, regulators, reclosers, capacitors and requests or recommends maintenance repairs and/or improvements. Upon completion of inspections, documentation must be saved for future evaluation.
- (g) Installs, maintains, repairs and troubleshoots Remote Terminal Units, SCADA, A/C and D/C wiring and fiber communication to all equipped substation equipment.
- (h) Performs oil sampling on equipment for testing and analysis, completes and maintains records for future evaluation.
- (i) Reads and understands system maps, one-line diagrams, and schematics of the substations and transmission.
- (j) Assists other technicians in their job functions to include observing safety hazards, particularly when around high voltage equipment, and in the operation, testing and maintenance of high voltage equipment, switches, control wiring, voltage regulators and capacitor installation.

- (k) Readily learns new technologies, new equipment and device operations. This includes personal computer software, communication devices and communication protocols as it pertains to job functions.
- (l) Performs on-call duties and bypasses, isolates and restores service to all substation equipment and distribution lines during outage conditions.
- (m) Perform other duties as requested.

3 **QUALIFICATIONS:**

(a) Minimum Education and Experience Qualifications:

- (1) Position requires a minimum of two years of Lineworker experience with an Electric Utility
- (2) High school diploma or GED required
- (3) Must possess a valid Class A Commercial Driver's License

(b) Preferred Qualifications:

- (1) Experience in an Electric Cooperative, electric substations and field operations
- (2) Previous experience with Schweitzer Engineering Laboratories (SEL) equipment and software.
- (3) Experience with A/C and D/C electrical systems.

(c) Knowledge, Skills and Abilities

- (1) Competent in computer programs (Excel, Word, IOS, MS, etc.).
- (2) Have good written and verbal communication skills.
- (3) Must cooperate and work well with others on a daily basis.
- (4) Ability to prioritize multiple tasks under strict and varying deadlines.
- (5) Must show attention to detail.
- (6) Possess excellent interpersonal skills.
- (7) Ability to ensure the accuracy of data entered into various systems.
- (8) Must be Member Focused

(d) Physical Requirements

- (1) Ability to perform finger and hand manipulation and perform repetitive motions.
- (2) Ability to exert at least 50 lbs.
- (3) Ability to perform work in all weather conditions.
- (4) Ability to work on elevated surfaces.

4 **REPORTS TO:**

Transmission/Substation Foreman

5 **DEPARTMENT:**

Transmission/Substation Department