

Engineering Technician III			
Department	Engineering and Operations	Reports to	Engineering Supervisor
FLSA Status	Non-exempt	Directs	None
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Position Summary

Provides technical support and leadership in the engineering and maintenance of electric facilities.

Key Duties and Responsibilities

- Assures that VVC functions and operates at maximum efficiency.
- Assures that regulating, sectionalizing, and related equipment on the electric system operates properly and is correctly installed.
- Develops a program of planned inspection and maintenance for electric and electronic equipment owned by the Cooperative.
- Supports scheduled and remedial maintenance services to switching station, fault protection, regulating and sectionalizing equipment on the electric system.
- Assists engineering personnel in testing electric system equipment and characteristics. Performs load and voltage checks on all applicable voltages.
- Coordinates field operations to install, incorporate SCADA system facilities and devices, and provide preventative and remedial maintenance for all load monitoring equipment owned and/or leased by the Cooperative.
- Supports engineering studies of protection, line, load, and related characteristics and assist in the development of plans to achieve optimum utilization and efficiency of the electric system.
- Assists in staking electric system extensions to new electrical accounts, as necessary.
- Prepares material specifications for assigned projects and assists with purchasing/budgeting of large or special equipment
- Assists in training new employees in the position of Engineering Technician - Levels I and II, System Inspector, and service Techs.
- Assures that Under-Frequency used for load shedding functions efficiently.
- Must be able to interpret, and address issues found from oil analysis.
- Assures the proper operations of regulator, recloser, and capacitor controls.
- Assures that proper testing of recloser controls using the Arco Test Set, and associated software.
- Assures proper maintenance is performed based from Doble Test reports from transformers.

Qualifications

- AAS in Technical Field or Electronics Engineering Technology required. Five (5) years previous engineering experience preferred in the area of inspection,

testing, and maintenance of electric, electronic, substation, SCADA, load management, metering, or related equipment.

- Must have a knowledge of electrical and electronics theory. Must be able to inspect, test, and repair controls and special equipment, test load and voltages of electric system, and perform related activities. Must be able to read wiring and schematic diagrams. Must possess proficient computer skills required for programming assigned equipment and accessing and maintaining related databases and software.
- Must have knowledge of roads, map and electrical equipment and facilities locations
- Must be able to analyze situations, trouble-shoot, and apply sound judgment decisions in performance of responsibilities.
- Must be able to complete all assignments with attention to detail and accuracy.
- Must be able to interact well with internal and external customers, handling inquiries and resolving problems. Conveys professional interaction at all times, thereby maintaining positive relations. Displays and encourages team effort for maximum efficiency and productivity.
- Must possess a proficiency in Microsoft programs and other software applications pertinent to the Cooperative's system (Microsoft Office and Windows operating system).
- Maintains thorough working knowledge of Cooperative Bylaws, procedures and workplace policies. Must maintain a working knowledge of RUS specifications and safety procedures in electric line construction and in system maintenance.
- Must be able to attend periodic seminars, training programs, conferences, civic and professional events.
- Must maintain a valid driver's license at the level necessary to operate vehicles in the performance of position responsibilities.
- This position requires the availability of the employee during bad weather or unusual conditions for all times of the day and night as well as on weekends to assist in restoration of service during system outages and emergencies.
- Must be available after normal working hours to assist with VVC (Volt Var Control).
- Must be capable of performing independent and self-directed work duties.

Physical Demands

Frequently lifts materials up to 80 pounds. Frequent standing, walking, with access to awkward positions necessary. Must have the ability to work in cramped spaces and conditions for sustained periods. Must be able to accurately install, repair, and test all types of electrical, and electronic station metering equipment on a routine basis without assistance. Frequent use of tools and equipment requiring eye-hand coordination. Must have the physical ability to stoop, bend into awkward positions, and ascend and descend ladders of four feet or greater in order to accomplish assigned duties. Normal work environment is 50% indoor and 50% outdoors.

Must have the ability to perform the outside duties of this position during extreme adverse weather conditions (temperatures above 90 and below 30 degrees F, rain, snow, high humidity, etc.), in the presence of pollens, dust, and other airborne particles and be able to work day and/or night. Must be able to avoid and/or endure insect stings and other hazards while executing assigned duties.

IMPORTANT: This position description is not intended to be all-inclusive; an employee will also perform other reasonably related job responsibilities as assigned by immediate supervisor and other management as required. This organization reserves the right to revise or change job duties as the need arises. This position description does not constitute a written or implied contract of employment. Management reserves the right to change position descriptions, job duties, or working schedules based on their duty to accommodate individuals with disabilities.

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