

Engineer (PE)

Job Title: Engineer

Department: Operations

Reports To: Operations Manager

FLSA Status: Full-Time Exempt

Summary

Directs activities to fulfill ERPPD's mission to provide safe, reliable, cost-effective electricity to all customers by ensuring proper planning and design of electric facilities that will meet the present and future needs of our customers, while meeting all applicable safety, regulatory and construction standards. Manages all aspects of construction and reconstruction of electrical sub-transmission, substations and distribution lines from inception to conclusion. Supervises support personnel related to operations. Represents the District to consumers, community and industry and displays the commitment to rural development and community relations.

Essential Duties and Responsibilities

1. Observes all safety rules and enforces safety standards.
2. Designs electrical systems for sub-transmission, substation, and distribution for the District.
3. Manages administrative processes that allow for the efficient and effective uses of resources. This includes but is not limited to: developing appropriate district policies related to engineering; developing best practices for engineering areas, i.e. sizing transformers, frequency of maintenance on certain items such as OCRs and regulators, etc., rates, energy efficiency both within the system and for customers, and developing and managing special projects such as solar and net metering
4. Works with Operations and General Manager on work plans and projects for the power delivery system that allow for future growth, added reliability, and more efficient operation.
5. Manages system analysis to maintain a safe and reliable electrical sub-transmission, substation and distribution line system for the district. This includes but is not limited to: power quality-harmonics, etc., fault current calculation, keeping accurate maps, GIS, and computer data of the system, SCADA management and enhancement, AMI management and enhancement, transformer sizing, sectionalizing studies, system loading, net metering and understanding future trends in distributive electricity and how to prepare for that
6. Oversees and performs staking functions and field work.
7. Ensures regulatory compliance for such things as RUS construction and accounting, OSHA, NESC, NEC, Avian Protection Plan, spill prevention, arc flash calculations, hazard mitigation project management, net metering and local, state and federal codes/regulations.
8. Supervises support personnel related to operations – including, staking engineering tech and staking/meter assistant.
9. Shall be required to perform any other duties assigned in order to fulfill the objectives of the district

The above statements are intended to describe the general nature and level of work being performed by persons assigned to this position. They are not intended to be construed as an exhaustive list of all responsibilities required of personnel in this position.

Competencies

1. Research/Analysis
2. Problem Solving
3. Decision Making.
4. Project Management
5. Communication Proficiency
6. Customer Focus

Supervisory Responsibilities

1. Directs and manages all activities of operations support services personnel.
2. Communicates areas of accountability and performance expected of personnel assigned.
3. Reinforces standards of performance as a basis to review progress of personnel assigned.
4. Ensures proper training of personnel assigned.
5. Fosters a collaborative/team oriented working climate to maximize employee safety, morale and productivity.

Qualifications To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education and/or Experience

Bachelor's degree in Engineering or related field and 5-years' experience; or equivalent combination of education and experience. Professional Engineer (PE) credential or ability to obtain PE credential preferred. Supervisory experience beneficial.

Language Skills

Ability to read electrical and engineering plans and specifications for the construction and reconstruction of electrical sub-transmission and distribution lines and substations. Ability to analyze data and communicate results in clear and concise language. Ability to write routine reports and correspondence. Ability to speak professionally and effectively individually and in groups with customers or employees. Ability to foster a supportive communication environment: active listener, problem solution orientation, collaborative, calm demeanor, and being honest.

Reasoning Ability

Ability to give and carry out instructions in written, oral, or diagram form. Adept at problem identification, strategic planning, prioritizing and decision making. Ability to analyze data and determine the validity of different scenarios, selecting the best alternative.

Computer Skills

To perform this job successfully, an individual should have knowledge of database software; internet software; project management software; spreadsheet software and word processing software.

Certificates, Licenses, Registrations

Valid Nebraska driver's license.

Professional Engineer (PE)

Other Requirements

1. Available for planned and emergency overtime as required.
2. Live within a reasonable distance of reporting site.
3. Some travel to meetings and trainings

Physical Demands The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is required to talk, hear and read electronic displays and screens. The employee is required to sit; stand; and walk – occasionally some distance over uneven

ground when staking or conducting field work. Frequent changes of position from sitting, standing to walking is allowed. Employee will use hands to finger and reach with hands and arms. Ability to type is needed. Minimal lifting or moving large and/or heavy objects is expected.

Work Environment The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee spends approximately 70% of time indoors but is exposed to outside weather conditions during staking and field work, approximately 30% of the time. The noise level in the work environment is usually quiet.

Employee Signature

Date

HR/Supervisor Signature

Date