

JOB DESCRIPTION

Position Title: Electrical Distribution – System Engineer

Department: Engineering

Reports To: VP of Engineering/Operations

FLSA Status: Salary-exempt

Education Requirements: Bachelor Degree in electrical engineering required with Power Option preferred. Needs to have completed or the ability to complete his/her Engineer-in-Training (EIT) certification immediately and obtain his/her Professional Engineer Certification within five to six years.

Experience Requirements: Experience with MS Office products and other computer software such as AutoCAD, and/or other GIS Software. Experience with Electrical Modeling Software including Networking and Communications knowledge is also preferred. Experience working for an electric utility or a consulting firm who works for electric utilities would be preferred.

Physical Requirements: Ability to sit at a workstation for long periods of time and lift up to 50 lbs. S/he is able to work in inclement weather and walk on rough terrain.

Summary: Electrical Distribution - System Engineer is responsible for assisting with all engineering projects, system protection and system modeling. This position helps develop long and short-range planning studies, electrical system modeling and analysis, protection coordination, and special projects associated with the electrical distribution system and substations.

S/he is also responsible for engineering reports, computations, cost estimates, specifications or other engineering details. Prepares routine and special studies and investigations including voltage drop analysis, voltage and flicker complaints, motor start analysis, fault current analysis, phase balancing, capacity and voltage regulator placement, economic sizing of conductors and transformers, and sectionalizing studies.

This position will need to learn and maintain knowledge of RUS specifications and requirements, National Electrical Safety Code, National Electrical Code, rates, and Cooperative policies. Essential to this role will

be learning and understanding meter processes including metering requirements, programming, testing, and troubleshooting. The System Engineer is part of the after-hours dispatching cycle and will be expected to be part of this team once qualified.

This person will need to be able to work independently and/or in groups and display strong project leadership skills as well as detail orientated and organized. Strong time management skills, creativity and flexibility are essential. S/he will need to promote and support a safe working environment.

This job description in no way states or implies that these are the only duties to be performed by the employee incumbent in this position. Employee will be required to follow any other job-related instructions and to perform any other job-related duties requested by any person authorized to give instructions or assignments.