



2020

Substation Engineer

The Substation Engineer is a position reporting to the Substation Project Engineer. This position will be required to provide design, specifications and construction documents. The position requires a strong interest in power systems and design of electrical high voltage substations.

PRIMARY DUTIES & RESPONSIBILITIES:

- Gather all pertinent information of projects and document scope of each project
- Prepare material lists, plan, elevation and detail drawings for substation projects
- Perform electrical design and calculations for various electrical power, communication and control systems involved with electrical substation projects
- Prepare relay /control panel arrangement plans, material lists, relay and control schematics, external connection diagrams and wiring diagrams for electrical substation projects
- Prepare engineering and construction estimates
- Prepare equipment, material and construction specifications for projects
- Coordinate and work with material manufacturers and construction contractors to ensure the integrity and completion of the project on schedule
- Interact with clients and provide quality customer service
- Assist with proposal preparation

POSITION QUALIFICATIONS

- Bachelor's degree in Electrical Engineering with emphasis in Power Systems
- Minimum 4 years of substation design experience
- Professional PE registration is preferred
- Experience with protective relay settings is preferred
- Knowledge of National Electrical Safety Code (NESC) is required and knowledge of Rural Utility Service (RUS) requirements desired
- Excellent interpersonal skills as well as verbal and written communications skills
- Ability to coordinate the work of various engineering disciplines and contractors to complete an integrated project
- Ability to work collaboratively with individuals at all levels in the organization in a team environment

POSITION REQUIREMENTS

- Requires ability of limited travel, up to 5-10%
- Valid driver's license required
- Strong interpersonal and communication skills to build and maintain the reporting and working relationships
- Software experience: MS Office, AutoCAD, ETAP, WinIGS
- Primary Location: Arnold, Missouri or Collinsville, IL