

Substation Physical Electrical Engineer

Company

Substation Engineering Company (SECO) is a full-service provider of Transmission, Substation and Distribution engineering and design services for Electric Utilities. Our corporate culture is rooted by our emphasis on providing high quality deliverables at a reasonable cost. We have a very experienced staff in all facets of transmission, substation and distribution engineering and design.

Job Description

Main Duties

Mid-level electrical engineering position focusing on the performance of both routine and complex activities and tasks related to the design of high voltage substations (up to 765kv).

Typical duties include (but are not limited to):

- Create physical designs, specify and layout major equipment.
- Perform calculations such as short circuit, voltage drop, circuit ampacities, etc.
- Develop single line and schematic diagrams.
- Perform grounding and lightning protection analysis.
- Perform conduit and tray fill calculations.
- Prepare material specifications.
- Monitor budget and schedule for assigned tasks.
- Work with designers and drafters to guide the development of drawings.

Desired Education, Experience and Training

- BSEE with 5+ years of relevant experience in substation engineering with strong knowledge of applicable theories, practices and accepted procedures.
- Professional Engineering License or the ability to sit for the exam within 6 months preferred.
- Has the ability to quickly develop broader knowledge through performing structured functional assignments, such as collecting and analyzing data related to specific tasks.
- Computer proficiency required as well as strong analytical and problem-solving skills. Experience with AutoCAD and MicroStation would be beneficial.
- Accuracy and attention to detail is very important as well as having the ability to meet deadlines and complete assignments. Basic written and verbal communication skills in English are required.
- Commitment to customer service and ability to work in a team-oriented environment is critical.

Full Benefit package

- Medical/Dental/Vision
- Paid Holidays
- PTO (Paid Time Off)
- Group Life Insurance/LTD/AD&D
- 401K



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Engineer

- Voluntary Benefit Plans

Position Classification/Compensation

- Exempt
- Competitive pay structure