



<b>Job Posting #:</b>	53FB09242021	<b>Posting Type:</b>	External
<b>Job Title:</b>	Staff Generation & Transmission Planning Engineer	<b>Grade/Classification:</b>	16 - Exempt
<b>Department/Group:</b>	System Planning	<b>Location:</b>	Fredericksburg, VA

**Job Description**

**OVERVIEW**

The Staff Generation & Transmission Planning Engineer to ensure the safe and reliable operation of Rappahannock Electric Cooperative's electrical system in the most economical method possible through the prudent and orderly planning of the electrical transmission system and generation interconnections.

**ROLE AND RESPONSIBILITIES**

- To carry out the duties of the Planning Engineering Department. This includes the execution of engineering analysis and studies as well as the generation of associated reports.
- To assist the Director of System Planning and Engineering Design in carrying out the various objectives of the Engineering Department and the Cooperative as a whole.
- To supervise the System Planning Generation & Transmission Department and its employees. This includes employee evaluations, training, and work assignment.
- To assist in planning for, preparing, development, and administering the Cooperative's Construction Work Plan and Borrower's Environmental Report (BER).
- To assist in planning for, development, and administering the Cooperative's Long Range Plan.
- To serve as REC's Project Manager to provide oversight and coordination for the interconnection of large power Customers to the REC electrical system. This includes transmission planning to ensure adequate and reliable service to all Members.
- To serve as REC's Project Manager and to be responsible for the engineering and technical support of the Cooperative for the interconnection of large generators to the REC electrical system. This includes creating and updating any REC procedural documents and providing any necessary employee training.
- To determine and carry out assigned projects and participate in system planning.
- To provide oversight and lead the investigation, analysis, and problem resolution for transmission voltage and power quality issues.
- To work with the Generation Developers, Engineering Consultants, Transmission Owners, ODEC, the State Corporation Commission, the Statewide Association, and other departments in the Cooperative to provide the necessary information, studies, and forms for the engineering design of safe generation interconnection facilities required by State regulations and the Cooperative electrical system.
- To complete engineering analysis for the Cooperative's transmission facilities. This may include assisting with the locating of substation sites and transmission routes.

**QUALIFICATIONS AND EDUCATION REQUIREMENTS**

A four (4) year engineering degree or equivalent required. A minimum of 10 years of utility experience in distribution engineering as well as experience in planning engineering, motor start calculations, distribution system analysis, and system protection and coordination required. A Virginia Professional Engineering License required.

Must have a thorough knowledge of general distribution engineering in the areas of: system coordination, distribution system analysis, motor start calculations, power quality analysis, stray voltage investigations, and Work Plan preparation. Must have a good understanding of industry Arc Flash requirements and regulations. Good skills with personal computers are necessary and familiarity with spreadsheets, database programs, and engineering programs is required. Must have good written and verbal communication skills.

Must be able to complete detailed system protection and distribution analysis studies. Must be able to learn to use Windmill Distribution System Analysis Software, V-Pro Coordination Software, LightTable Coordination Software, TCCcyme Coordination Software, and LOGICA Work Management Software, Origin Geographic Information System using the Mapbook Viewer, Cascade, and other software as it becomes available and necessary. Must be able to learn and perform all other job requirements of the Job Description in a reasonable time.



Most work will be done at the Fredericksburg office with some at district offices or in the field under any weather conditions. Is expected to be available in emergency situations and is subject to be on-call 24 hours a day. Long hours of work may be expected during major storms and major outages. Occasional travel for training and conferences will be required.

**HOW TO APPLY:**

**Internal Applicants:** Interested parties should submit an internal application (a resume may be attached to the completed application) to the Human Resources Department. Resumes should be emailed to [rech@myrec.coop](mailto:rech@myrec.coop).

**Applicants:** Use our <https://www.myrec.coop/careers> to apply for the opportunity. Please indicate the Job Posting ID

**# 53FB09242021**

**Deadline: Open until filled**

\*The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not intended to be construed as a complete list of all responsibilities, duties, and skills required of personnel so classified.

