Job Posting #:	53FB09242021	**Posting Type:**	External
Job Title:	Staff Generation & Transmission Planning Engineer	**Grade/Classification:**	16 - Exempt
Department/Group:	System Planning	**Location:**	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 utility-scale renewable energy and non-renewable energy 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 from an ABET accredited college or university or equivalent required. A minimum of 10 years of utility experience in transmission engineering as well as experience in planning engineering, generation interconnections, transmission power flow analysis, and knowledge of transfer trip communications required. A Virginia Professional Engineering License strongly preferred.

Must have a thorough knowledge of general transmission engineering in the areas of: transmission electrical system analysis, generator interconnection requirements, and transmission planning philosophies. Must have a good understanding of large load and generator capacity and power concerns when interconnecting to the REC transmission system. Basic comprehension of substation design and system protection recommended. Good familiarity with spreadsheets, database programs, and engineering programs is required. Must possess basic computer skills, to include a working knowledge of Microsoft Office products, including, but not limited to: Outlook, Excel, Word and PowerPoint as required by job responsibilities.

Must have good skills in the following areas: writing and verbal communications, computers, both PC and client server environment, ability to organize and schedule work, create and keep good records and see work through to completion both as an individual but also as part of a team.

Must be able to complete detailed transmission power flow analyses. Must be able to interact with Developers, Transmission Owners, our Wholesale Power Supplier, and keep track of the status of multiple generator projects. Must be able to keep up to speed on State regulations for large generation interconnections. Must be able to learn to use EasyPower Transmission System Analysis Software, NiSC Work Management and Asset Record Software, the

Geographic Information System, 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. Perform other duties as assigned.

Most work will be done at the Fredericksburg office with some at district offices or in the field under any weather conditions. There is the possibility for limited remote work. 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 rechr@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 1to be construed as a complete list of all responsibilities, duties, and skills required of personnel so classified.