



Oconee EMC

A Touchstone Energy® Cooperative

The power of human connections®



December 12, 2023

Job Opportunity

Distribution Engineer

Resumes will be accepted until January 31, 2024. Applicants may drop resumes in person at Oconee EMC, 3445 Hwy 80 West, Dudley, GA 31022. Resumes also may be faxed to 478-676-4200 or emailed to career@oconeeemc.com. Contact Human Resources with any questions at 478-676-1129.

Position Summary:

To serve Oconee EMC's members by providing technical assistance to field personnel and administer technology implementation in the substation and distribution systems. The Distribution Engineer is also responsible for the analysis and function of engineering applications such as SCADA, AMI and EA programs that integrate with GIS and OMS systems.

Objective:

- To monitor, maintain and improve Oconee EMC's Distribution System.
- Provide oversight and technical support for Cooperative revenue metering systems including hardware, software, and field apparatus.
- Assist with supervision of other employees with regards to revenue metering programs, modernization, and system efficiency.
- Provide technical assistance on the design of the Cooperative's electric distribution system.
- Assist in providing research, analysis, and recommendations for implementation of the latest technologies for the electric distribution system of the Cooperative.
- Assist in the development of engineering plans, studies, programs, and procedures necessary for orderly and efficient operation of the Cooperative's electrical system.

- Assist with and provide support for distribution system switching and long and short range work plans to optimize system operation.
- Assist with the development and oversight of construction/reliability work plan.
- Assist with the development, implementation, and maintenance of SCADA and Distribution Automation Systems.
- Assist with implementation and testing of field deployed smart device apparatus.
- Assist with outage analysis to identify trouble areas.
- Provide technical training for other employees with regard to distribution equipment and/or specialized test equipment.

Qualifications:

- High school diploma or G.E.D. equivalent required.
- B.S. in E.E./E.E.T./E.C.E. from an accredited institution or related engineering discipline required.
- 3-5 years of Test Engineer/ System Engineer related work or equivalent years of experience preferred.
- Must obtain an Integrated Transmission System switching certification.
- Must possess a valid Georgia driver's license and have an insurable driving record.
- Must live within 15 statute miles of assigned duty station or relocate therein within 12 months in classification.
- Must be willing to work after-hours as is required to maintain and protect Oconee EMC's electrical system.
- Must work well in a team environment.

Knowledge, Skills & Abilities:

- Must be able to read and write in English.
- Must be of high integrity and demonstrate a strong work ethic. Must be able to pass Oconee EMC's physical examination and testing for employment.
- Must communicate clearly and accurately for daily work and safety compliance.

- Must read and interpret documents such as safety rules, operating and maintenance instruction manuals, and procedure manuals.
- Must understand and apply basic mathematical concepts.
- Must exhibit oneself in a professional manner when communicating with members, employees and the general public.
- Must develop an on-going knowledge and awareness of all Cooperative policies and goals, safety codes and regulations, as well as all aspects of the job classification.
- Must understand the electrical system and learn to solve problems ranging from individual member service issues to major line outages.
- Must understand Oconee EMC's Distribution Operating Procedures and Safety Manual.
- Must be proficient in Microsoft Excel and Microsoft Word.
- Must learn Milsoft Engineering Analysis and LightTable software.
- Must learn SENSUS metering software and hardware applications.
- Must become I.T.S. certified and able to understand, write and execute switching orders.
- Must learn how to program smart devices.
- Must test equipment/protection schemes.

Physical Demands and Working Conditions:

- Work is performed primarily outside and sometimes in extreme weather conditions and/or after hours. Classification is subject to emergency service work for trouble and outages, as called upon, in addition to performing on-call duties as after-hours helper or dispatcher on a rotating schedule.
- Frequent physical activity including walking, stooping, bending, frequent lifting up to 50 pounds, occasional lifting in excess of 50 pounds, climbing, kneeling, reaching, crawling, pushing and working in awkward positions and enclosed spaces is normal.
- Must have good dexterity to operate various pieces of operations equipment, including test equipment, hot line tools, and computer equipment.
- Must be able to read instrument and computer outputs accurately.
- Must be able to accurately identify and analyze equipment noises and conditions.

Responsibilities & Duties:

- Programming and testing of distribution apparatus such as revenue metering, overcurrent relays, voltage regulator controls, and other equipment associated with SCADA.
- Writes, oversees, and instructs others on proper distribution switching order development and execution.
- Provides technical training and assistance for other employees with regard to revenue metering software and hardware, SCADA, other protective devices and distribution automation devices.
- Works closely with others within the Engineering and Information Technology departments to develop, test and implement a reliable distribution automation system.
- Performs analysis and research to assist with development of construction work plan.
- Assists with data analysis and development of corporate reliability work plan.
- Assists with oversight of SCADA/Distribution Automation activities.
- Assist with data analytics to determine root cause of and minimize system outages.
- Utilizes revenue meter software to conduct an analysis to provide members or other departments with usage trends or overall loading data.
- Coordinates with third party vendors to monitor and maintain revenue metering functionality system wide.
- Provide advice and/or assistance as is required to evaluate, maintain, and upgrade the electrical system from a protection and controls point of view as well as operations and maintenance point of view.
- Request and provide advice and/or assistance as is required to evaluate, maintain, and upgrade the electrical system while being compliant with system/cyber security needs.
- Request and provide advice on how to design and implement work plan jobs or special projects.
- Request and provide safety/compliance advice as work is performed on the electrical system.
- Assist with training linemen as SCADA and Distribution Automation upgrades are made to the electrical system.
- Address member concerns regarding service interruptions or power quality concerns.

- Courteously answer member inquiries and to make every effort to gain their increased understanding and acceptance of the Cooperative's plans, programs, and policies.
- Work with OPC, GSOC and GTC to perform switching and maintenance on Oconee's Electrical System.
- Work courteously with neighboring utilities/ electric companies for power restoration and general system maintenance.

Additional Duties:

- Attend workshops, safety meetings, seminars, and the annual meeting of the members as required or assigned.
- Promptly and courteously handle or report member complaints or requests for service.
- Become familiar with Oconee EMC "Service Rules and Regulations" and policies.
- Promote corporate efficiency through communications and cooperation within department and with other departments.
- Cross-train with other positions to broaden knowledge of Cooperative operations.
- Perform other duties as directed.