



Job Purpose

The Electric Utility Engineer is responsible for engineering and design to support the sustainable operation of our distribution system. This role works with teams across the organization and external stakeholders, and leads technical projects as required.

Duties and Responsibilities

Core Engineering Responsibilities

- Direct and coordinate the system planning and system improvement work with all EQUS service areas as well as with another interconnected utility, which may include the tendering and contracting process for larger distribution projects.
- Direct and coordinate manufacturing, construction, installation, maintenance, support, documentation and commissioning, testing and training activities to ensure compliance with specifications, codes and member requirements.
- Analyze engineering problems, calculate and report solutions.
- Evaluates electrical systems, products, components, and applications by designing and conducting research programs while applying knowledge of electricity and materials.
- Collect data relating to commercial and residential development, population, and power system interconnection to determine operating efficiencies of electrical systems.
- Conduct field surveys and study maps, graphs, diagrams and other data to identify issues and develop solutions to correct power systems problems.
- Audit technical work to ensure compliance with APEGA and relevant industry standards of practice, established standards, policies and procedures.
- Establish policies and procedures for the practice of Engineering within EQUS.
- Prepare budget requirements for system improvements and technical projects, as required.
- Prepares reports by collecting, analyzing, summarizing a variety of informational data streams and trends.

Subject-Matter Expertise

- Act as the responsible APEGA member for the Engineering Permit to Practice.
- Provide EQUS staff members with assistance and information on technical matters relevant to electric utility operation, maintenance and complex work orders, as required.
- Act as a resource to the Areas for all outages both pre-planned and unplanned, outage statistics and reporting.
- Act as a technical liaison between EQUS and outside parties (i.e. Existing members, vendors, professional organizations, other utilities, potential new members.)
- Assist EQUS' Finance Leader in setting distribution rates, as required.
- Provide leadership to the Area estimating staff in relation to design as it pertains to the AEUC and CSA standards.
- Provide leadership on technical specifications for approving electrical equipment and material inventory items prior to adopting as standard EQUS items.
- Develop and deliver presentations to the EQUS Board of Directors and staff as required

Leadership and Committee Work

- Lead in the development of job costing and job estimating systems in EQUUS.
- Lead projects involving new technologies both in researching and the implementation (e.g., Automated Metering Infrastructure, Alternative Energy, SCADA)
- Serve as a member of the AEUC technical working group.
- Chair EQUUS' Distribution Construction Standards Committee, which is responsible for all construction standards changes at EQUUS.
- Sit as a member of EQUUS' Mapping Standards Committee.

Review and Approval of Work

This position reports to the Standards Team Leader.

Required Knowledge, Skills and Experience

- Knowledge of the theory and practice of electric utility distribution planning, construction, operation, and maintenance.
- Working knowledge of electric utility operation (i.e. generation, transmission and distribution of three phase alternating current power).
- Working understanding and familiarity with the engineering principles, practices, procedures, materials and equipment used in the planning, design, cost estimation, technical and economic analysis, construction, operation, repair and maintenance of electric utility distribution, metering and other facilities.
- Knowledge of distribution planning principles is an asset.
- Experience preparing business case analysis and reporting, using strong analytical skills to find technical solutions that are both cost effective and technically adequate, in order to support projects or business initiatives.
- Effective communication skills and ability to work with a variety of roles, explaining complex technical issues to others with varying technical backgrounds.
- Applicable field experience.
- Proficient in Microsoft Office.
- Precision, accuracy, and attention to detail.
- Ability to work independently and also as part of a team.

Education and Training Requirements

- Bachelor Degree in Electrical Engineering
- APEGA, P.Eng. Professional Membership
- Specializing in Electrical Power Utility Engineering

Compensation

EQUUS strives to attract and retain highly skilled talent and expertise vital to our organization's success. We offer competitive wages, a comprehensive benefits package, and excellent opportunities for development and growth.



ELECTRIC UTILITY ENGINEER

Power up your career by joining the EQUS team!

Submit your application to HR@EQUS.CA



The Employee Recommended Workplace Award recognizes excellence in achieving a healthy, engaged and productive workforce. It is the only award of its kind that is based entirely on feedback from employees.

EQUS would like to thank you in advance for your resume. It will be kept on file for six months from the date it is submitted. EQUS REA LTD. (EQUS) collects only that personal information about job applicants that is needed to determine suitability for employment. The information will be used only for the purpose of evaluating that suitability. EQUS will not distribute your information to anyone else. After six months your application, and any personal information collected about you during the verification process, will be destroyed.