



Grid Automation Engineer

Festival Hydro is a distribution company serving 20,000 customers in seven municipalities in Stratford and surrounding areas. We are a progressive utility looking for an incumbent that supports our ongoing commitment to customer and operational excellence.

Currently seeking a **Grid Automation Engineer**. The Grid Automation Engineer assists with the transformer station operation and maintenance, distribution substations, the SCADA (Supervisory Control and Data Acquisition) and Outage Management System. They will also assist with the development of Smart Grid enhancements to the distribution system, system planning and tracking reliability statistics.

This is a full-time position reporting to the Metering and Stations Manager and includes a comprehensive benefits and pension package.

Primary Duties & Responsibilities

- Prepare RFPs for transformer station and municipal station projects and make recommendations as required.
- Support in the preparation and execution of Maintenance and Capital Plans.
- Manage and coordinate station inspections, maintenance, repairs, and disposal.
- Coordinate the design, review and testing of all protection, control, and operational communication equipment/networks, and approve schematic and wiring diagrams according to utility standards, IEEE, and CSA.
- Support the administration and maintenance of the Supervisory Control and Data Acquisition (SCADA) system.
- Support the administration and maintenance of the Outage Management System (OMS) and Engineering Analysis software used to monitor and report outages.
- Assist with implementing hardware, software, and graphics updates, and troubleshoot communications-related issues that result in loss of visibility of devices.
- Responsible for the design and administration of OT communication networks and supporting implementation of OT Cybersecurity initiatives.
- Support the full life cycle of distribution automation devices (i.e., automated switches, reclosers, fault indicators, etc.).
- Ensure record keeping and signoffs comply with industry regulations.
- Assist in development of specifications and technical requirements for grid advancement and distribution automation solutions and equipment.
- Support connection of distributed energy resources (DER's) to the distribution system.
- Validate outage entry records to ensure compliance with OEB tracking requirements and prepare Festival Hydro's annual System Reliability Report.
- Perform, complete and update engineering and technical studies (i.e., long term system plan, fault analysis, worst performing feeders, etc.)
- Visit and inspect site locations as required.
- Adhere to all Occupational Health & Safety Act rules and regulations, the EUSA rule book, and Festival Hydro's work practices and Health & Safety Management System.
- Assist the Engineering and Metering departments with other duties, as required.



Qualifications

- Post-secondary education related to electrical distribution system design with professional certification (i.e., C.E.T. or P. Eng).
- Minimum two years experience with electrical distribution systems.
- Experience working/coordinating with staff members and contractors.
- Proficient in the use of computer programs such as Microsoft Office, AutoCAD, Daffron's Customer Information System, ArcMap, SmartMAP (OMS, loadflow, etc), Survalent (SCADA), relay and communication vendor software (GE, SEL, Speednet, Sonicwall) etc.
- Operational understanding to administer a SCADA system and OMS.
- Understanding of distribution and transmission station protection schemes, device coordination and operation.
- Understanding of various communication network system operations and implementation of OT Cybersecurity initiatives.
- Training in Fall Arrest, CPR, First Aid, UWPC, etc. required to conduct daily functions.
- Excellent organizational, project management and communication skills.
- Valid Class G Driver's License in good standing.

Interested candidates may apply by emailing their resume and cover letter to **hr@festivalhydro.com** by August 28, 2022. Please reference "**Grid Automation Engineer**" in the subject line.

We thank all applicants for their interest but advise only those selected for an interview will be contacted. Accommodations are available during the recruitment process. Applicants contacted for an interview are asked to make their needs known in advance.