



Distribution Engineer

Reports to: Engineering Manager

Department: Engineering

Location: On-Site, Acton ON

Employment Type: Full-Time

Position Summary

Halton Hills Hydro is searching for a Distribution Engineer who will play a critical role in ensuring the reliability, safety, and efficiency of the electrical distribution system. This position is highly technical and design-focused, responsible for system analysis, engineering design, and infrastructure planning to support both operational and capital programs. The role requires strong expertise in system modeling, analysis, and design, coupled with an ability to provide subject-matter expertise and guidance to the organization.

Key Responsibilities

- Conduct system analysis including load flow, short circuit, and relay coordination studies to assess system performance and identify areas for improvement.
- Develop engineering plans and designs for new distribution systems, ensuring compliance with safety regulations and efficiency standards.
- Perform load forecasting and infrastructure planning to accommodate system growth and emerging technologies.
- Utilize CYME software to model the distribution network and simulate various operating scenarios.
- Provide technical expertise for system troubleshooting and ensure reliable operations.
- Support project management activities and coordinate with internal teams, contractors, and external stakeholders as needed.
- Ensure compliance with applicable standards, codes, and company policies.

Qualifications

Education & Certification

- Bachelor's degree in Electrical Engineering.
- Licensed Professional Engineer (P.Eng.) in Ontario, or eligibility for licensure.

Experience

- 5–10 years of relevant experience in the electrical utility industry.



- Proven knowledge of Ontario Energy Board (OEB) regulations and industry standards.
- Experience in system analysis, design, and load forecasting, as well as infrastructure planning and modeling using CYME/ DESS software.

Skills & Competencies

- Proficiency in CYME/ DESS and other engineering software tools.
- Strong understanding of energy efficiency strategies and loss reduction methods.
- Demonstrated knowledge of line design and substation engineering principles.
- Exceptional analytical and data interpretation skills for system monitoring and performance optimization.
- Excellent interpersonal and communication skills, with the ability to build and maintain effective relationships with stakeholders.
- Commitment to safety, ethics, and continuous improvement.
- Experience with load-flow and voltage analysis in a distribution system context.
- Knowledge of station/transformer station (TS) and feeder testing procedures.
- Familiarity with short-circuit analysis and protection adequacy assessments.
- Understanding of connection timelines for new planned and/or modified distribution circuits.

Other Requirements

- Valid Ontario “G” driver’s license with a clean driving abstract.
- Ability to travel within the service area as required.

What We Offer

- ✓ Comprehensive total compensation package;
- ✓ Opportunity to work with an experienced utility team;
- ✓ Direct experience within a highly regulated industry;
- ✓ Working in an environment with a strong commitment to safety;
- ✓ Training and development support and opportunities.

Application Instructions

- Email your detailed resume, in confidence, to hr@haltonhillshydro.com;
- Use **DISTRIBUTION ENGINEER** for your subject line;
- Indicate in the body of your email where you saw this posting.

Halton Hills Hydro Inc. is an equal opportunity employer. Accommodation is available under the *Human Rights Code* and the *Accessibility for Ontarians with Disabilities Act*. Applicants need to make their required accommodations known in advance.

We thank all applicants for their interest however only those selected for an interview will be contacted.