



2025-06-09

ENWIN Utilities Ltd., is currently accepting applications for the vacant position of:

Hydro Distribution Engineer

Location: Windsor, ON (Hybrid)

Reporting to the Director, Hydro Engineering, the successful candidate will be a member of the team of engineers responsible for planning, designing, and maintaining a reliable hydro distribution system. This role ensures both short and long-term capacity and reliability objectives are met.

The successful applicant will be primarily responsible for **Asset Management**, which includes analyzing reliability data, tracking sustainment and enhancement projects, and supporting the annual capital budgeting process by proposing and monitoring projects that drive system improvements.

The Hydro Distribution Engineer will analyze reliability data, track sustainment and enhancement projects, and support the annual capital budgeting process by proposing and monitoring projects that drive system improvements. Key responsibilities include:

- Monitors and enhances processes for recording asset health information using health index scoring systems, ensuring accurate data collection by field crews.
- Track the progress of annual sustainment programs, providing detailed reports summarizing yearly activities.
- Identifies and determines the hydro distribution infrastructure that can be enhanced or is nearing end of life, by studying the system load in order to forecast the loading per transformer station and analysing the system in detail to outline priority projects and to successfully meet future requirements.
- Collects outage information which is reviewed to determine the root cause of outages and provide solutions to eliminate future outages.

Potential additional responsibilities include:

- **Design and Standards:** Designing, planning, and monitoring the construction and installation of distribution infrastructure to ensure safe, efficient, and effective power distribution.
- **System Planning:** System modeling and simulations, including load flow, voltage drop analysis, protection and controls coordination, automation, and the integration of generation connections. This role also involves overseeing station operations and maintenance, while also identifying and recommending necessary upgrades to enhance system performance.

The successful applicant must have the following skills and competencies:

- Bachelor's degree in Electrical Engineering with Professional Engineering designation or working toward obtaining P. Eng (EIT status).
- Master's Degree in Electrical Engineering with a concentration in Power Systems, Electrical Machines or Protection and Controls is considered an asset.
- Minimum of three (3) years of similar or related experience.
- Experience with overhead and underground distribution systems, including load analysis, protection coordination and reliability improvements.
- Familiarity with Ontario Energy Board (OEB) regulations, ESA (Electrical Safety Authority) standards, CSA standards, and Hydro One connection requirements.
- Proficiency in load flow studies, short-circuit analysis, voltage regulation and Arc Flash analysis.
- Experience with utility GIS platforms (e.g., ESRI ArcGIS) and CAD software (AutoCAD) for system design and mapping.
- Knowledge of relays, reclosers, SCADA, and distribution automation technologies.
- Understanding of renewable energy integration, net metering and battery storage impacts on the grid.
- Ability to review engineering drawings, provide technical support to field crews, and perform site inspections.
- Knowledge of asset lifecycle management, condition assessments, and outage analysis to improve system reliability.

- Proficient in computer systems and software implementation. Experience working with a variety of computer systems including Microsoft Office (Word, Excel, Access, PowerPoint) and ERP systems.
- Ability to prepare and deliver verbal and written reports.
- Strong organizational and problem-solving skills.
- Ability to work both independently and as a member or leader of a team.
- Valid Class 'G' driver's license.

Salary Range for Qualified Candidates: \$95,996.00 - \$119,995.00

Qualified applicants may submit their resume at <https://www.applicantpro.com/openings/enwin/jobs> up to and including **Sunday June 22, 2025. Please quote File #EWU-25-01-013 on application.** Although all applications are appreciated, only those candidates selected for an interview will be contacted.

ENWIN believes there is significant value in the diversity within our workforce, and we are committed to continually enhancing and improving diversity and inclusion throughout our organization. As an equal opportunity employer, we encourage all qualified individuals to apply for employment opportunities and believe that strength flows from our individual differences and enables us to effectively serve our community.

ENWIN Utilities Ltd. provides accommodation in accordance with applicable laws through all stages of the hiring process. If you require accommodation for any part of the application and hiring process, please advise the Human Resources Department.