



EMPLOYMENT OPPORTUNITY

Closing Date: 25.03.2025

FIBRE DESIGN ENGINEER

WINNIPEG, MB

Manitoba Hydro is consistently recognized as one of Manitoba's Top Employers!

Great Benefits

- Competitive salary and benefits package.
- Defined-benefit pension plan.
- Nine-day work cycle which normally results in every other Monday off, providing for a balanced approach to work, family life and community.
- Flex-time and partially remote work schedule (providing the option to work remotely 3 days per 2 week period), depending on nature of work, operational requirements and work location.

Manitoba Hydro is a leader among energy companies in North America, recognized for providing highly reliable service and exceptional customer satisfaction. Join our team of Manitoba's best as we continue to build a company that supports innovation, commitment and customer service.

We are seeking a permanent Professional Engineer to join our Telecommunications Department in Winnipeg, Manitoba.

Responsibilities:

- Design Fibre optic cable installations for multiple configurations. Prepare applicable technical specifications and configurations for fibre optic cable, termination and splicing hardware as well as associated routing hardware (aerial and underground as applicable).
- Specify performance, testing and analysis specifications, material procurement (including technical input to formal tender documents and vendor evaluation) and selection, engineering design drawings, bills of material, installation work packages, asset database entries, and commissioning test procedures.
- As required, direct and collaborate with draftspersons, technical assistants, technicians and inspectors assigned to support installations.
- Liaise with both internal and external departments, suppliers, contractors, consultants, government agencies, and other utilities or organizations as required to represent the interests of Manitoba Hydro to facilitate installation of fibre optic cable.
- Provide technical expertise for evaluation and recommendation of associated fibre test equipment.
- Responsible for design support and documentation for construction, commissioning, and maintenance of fibre optic cable systems.
- Identify and apply related regulatory and industry best practice to designs.
- Prepare Capital Project Justification reports, project reports and cost estimates, progress reporting, maintenance procedural input, drawings and project workflow documentation to assist with initiation of related projects.
- Provide subject engineering design support for design team members, technical support staff which may include on-site support of project activities anywhere in Manitoba.
- Regularly communicate with other departments, utilities, suppliers, and industry organizations to acquire and exchange project-related requirements and information and to develop and maintain relevant expert level technical working knowledge.
- As required, make related technical presentations.
- Required to travel within and outside the province and occasionally outside the country in performance of duties.
- Understand and employ pertinent industry and utility practices and standards to address the design role for the corporation.

Qualifications:

- Graduate in Electrical Engineering from a University of recognized standing plus a minimum of four years engineering experience including at least two years directly related Telecommunications design experience.
- Professional member in good standing with Engineers Geoscientists Manitoba.
- Must have completed Standards of Conduct training or be willing to complete within two weeks of start date.
- Must obtain and maintain a current Personnel Risk Assessment and a "Clear" security rating in accordance with Manitoba

A25-054

Hydro policy G45D.

- Must complete Critical Infrastructure Protection (CIP) Training prior to transfer date and renewed annually.
- Demonstrated initiative and ability to carry out complex projects to successful completion (on schedule and budget) with minimum supervision.
- Demonstrated Knowledge, Skills, and Abilities (KSA) to plan, design, specify, organize, and arrange installation of Fibre cable systems. Includes primary route and optical termination equipment.
- Demonstrated KSA to effectively use MS Office, SmallWorld PNI (TeleGIS), AutoCAD, SharePoint, SAP and network management applications.
- Demonstrated KSA to improve procedures, processes, and strategies.
- Knowledge of Manitoba Hydro's Telecommunications systems.
- Demonstrated KSA to make engineering computations quickly and accurately.
- Willing to travel both inside and outside the province or country as required for project work or training.
- Must have a valid Province of Manitoba Class 5 Driver's Licence.

Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the classification is \$43.44 - \$59.95 Hourly, \$83,247.84 - \$114,870.60 Annually.

Apply Now!

Visit www.hydro.mb.ca/careers to learn more about this position and to apply online. The deadline for applications is **MARCH 25, 2025**.

We thank you for your interest and will contact you if you are selected for an interview.

This document is available in accessible formats upon request. Please let us know if you require any accommodations during the recruitment process.

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