



EMPLOYMENT OPPORTUNITY

Closing Date: 21.03.2025

PROFESSIONAL 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, while actively supporting a diverse, equitable and inclusive workplace.

We are seeking a Professional Engineer to work in the Station Design Department. Under the general direction of the Automation & Controls Engineer or delegate, you will be responsible for the design and procurement activities for protection, control, and metering systems in high voltage AC transmission, distribution, hydro generating, HVDC converter, and diesel generating stations.

Responsibilities:

- Provide technical direction to teams of Technical Assistants, Engineering support staff, and consultants in the design and preparation of drawings, bill of materials, estimates, memos, specifications, and material requisitions related to protection, control, and metering systems associated with high voltage AC substations and diesel generating stations.
- Provide electrical designs for control, metering, and auxiliary systems of new and existing stations and conduct drawing reviews to ensure completeness prior to design approval.
- Lead complex electrical material procurements, review and maintain material outline agreements with vendors, prepare specifications, analyze tenders, initiate a recommendation for purchase of materials, and manage contracts.
- Ensure follow-up with vendors, which may include the review and approval of manufacturer's documentation and design, determining and assisting with shop or field tests, and liaising with suppliers as required. Lead or assist in the development and maintenance of the section's material and procurement systems and material database.
- Consult with other design sections, coordinate and design the interface for digital control and metering systems with protective relays, Remote Terminal Units (RTU), and Human Machine Interfaces (HMI) for the purposes of integrated substation automation design.
- Consult and coordinate with internal project managers, contract management specialists, and stakeholders throughout the enterprise, as well as external consultants on project activities to ensure that all share a common understanding of project requirements and deliverables.
- Review and accept consultant's designs and reports, ensuring compliance with project specifications and standards.
- Provide work guidance and on-site assistance when necessary to construction and commissioning staff in areas of expertise.
- Meet with manufacturers' representatives, consultants, contractors, and enterprise personnel from other divisions as required to satisfy station design requirements.

Qualifications:

- Graduate in Electrical Engineering from a university of recognized standing with a minimum of four years of experience, of which two years are directly related to high voltage transmission, distribution, and hydro generating and diesel generating stations protection, control, and metering design.
- Professional member in good standing with Engineers Geoscientists Manitoba (or willingness and ability to attain within a specified amount of time).
- Working knowledge of networking and communication technologies and their interfaces to digital protection relays, control,

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and metering devices, and to the Station Automation System (SAS)/SCADA systems. Demonstrated working knowledge and experience in electro-mechanical, solid state, and digital relay technology and applications on AC system protection.

- Demonstrated working knowledge of protection, control, and automation circuitry, including electro-mechanical, electronic, and microprocessor-based technologies and digital communications as applied to the design of complex protection, control, metering, and interlocking schemes associated with high voltage AC distribution, transmission, converter, and hydro generating and diesel generating stations.
- Demonstrated understanding of Bulk Electric power systems and procedures used in its operation, maintenance, and construction practices related to protection, control, and operational metering systems.
- Working knowledge of the Canadian Electrical Code.
- Demonstrated interpersonal skills with the ability to provide guidance and technical assistance to others.
- Demonstrated initiative in handling involved and complex technical problems.
- Must obtain and maintain a current Personal Risk Assessment and a "Clear" security rating in accordance with Manitoba Hydro policy P513.
- Possess a valid Province of Manitoba 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 21, 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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