



EMPLOYMENT OPPORTUNITY

Closing Date: 25.03.2025

ELECTRICAL 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 an Electrical Engineer to join our Generation Design Department. Under the general direction of the Generators & Controls Team Lead or delegate, you will independently perform duties of moderate complexity in the field of electrical engineering for equipment standard development, design, tender preparation, review, analysis & purchase recommendations, construction, commissioning, and training associated with hydraulic generators, generator refurbishment, generator automation, control, metering, and auxiliary systems in generation stations. The position involves carrying out a variety of engineering assignments, which requires familiarity with broad fields of generation system engineering.

Responsibilities:

- Participates on project teams and takes a lead role on small to medium projects, including generator refurbishment projects.
- Participate in scope development and prepare studies, technical specifications, recommendations, design calculations, design packages, estimates, manuals, reports, standards, commissioning procedures and other various deliverables for hydraulic generators and auxiliary systems for new and existing generating stations.
- Provide specialized engineering skills in all development and application aspects of hydraulic generators and control equipment, including governing systems, excitation systems and ancillary equipment.
- Provide technical guidance to technical staff within the department and other departments.
- Liaise with other departments, divisions & business units for correlation of design criteria and data and to ensure that construction and commissioning meet design standards.
- Serve as an on-site technical expert to assist or lead the commissioning of generators and control systems.
- Advise external consultants, suppliers & contractors of Manitoba Hydro design requirements and review their deliverables to ensure they meet design criteria, industry standards and regulatory requirements.
- Analyze quotations and tenders and prepare recommendations to award.
- Witness manufacturer's equipment, factory acceptance tests and on-site tests, as required.

Qualifications:

- Graduate in Electrical Engineering from a University of recognized standing and a minimum of six years of electrical design experience, with two years design experience specific to the position.
- Professional Member in good standing with Engineer Geoscientist Manitoba.
- Working knowledge of hydro-generator design and construction as it relates to generator overhauls.
- Working knowledge of generator and generator auxiliary systems operation, especially related to generator commissioning.
- Working knowledge and understanding of generating station controls, joint controls, excitation, and governing systems.
- Basic knowledge and understanding of UCMS, generator protection, transformers, station service systems, generator switchgear, station 125/250 Vdc systems.
- Basic knowledge and understanding of Arc Flash Hazard Analysis & assessments.

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- Working knowledge of electrical engineering design, codes, standards, and practices as they pertain to generating stations and associated infrastructure, as well as internal processes, procedures, and standards.
- Maintain a working understanding of applicable engineering/safety standards and legislation, including the safety rules and operation of hydraulic generating stations.
- Required to travel to generating stations, by all modes of transportation (i.e., air, land, and water) and perform commissioning activities as required.
- Proven ability to plan and execute design projects.
- Demonstrated ability to work independently.
- Capable of communicating effectively, both orally and in writing, with technical and non-technical project stakeholders.
- Demonstrated ability to work collaboratively and effectively with others and participate on project teams.
- Possess and maintain 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 \$47.32-\$65.33 Hourly, \$90,677.86 - \$125,192.08 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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