



## EMPLOYMENT OPPORTUNITY

**Closing Date:** 17.09.2024

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

We are seeking an Electrical Engineer to join our Generation Design Department. Under minimal supervision, you will work in a team environment with engineers and technical support staff on complex control, metering, and protection systems and their ancillary equipment in generating stations. This includes design, analysis, scope development, procurement, inspection, general construction support, and commissioning support duties related to the corporation's generating facilities.

### **Responsibilities:**

- Participate on project teams and may take a lead role on small projects.
- Participate in scope development and prepare studies, technical specifications, recommendations, design calculations, design packages, estimates, manuals, commissioning procedures, and other various Engineering deliverables for generation controls systems and auxiliary systems for new and existing generating stations.
- Provide engineering skills in all development and application aspects of control, and metering systems for generating stations, including generators, governing systems, excitation systems, Unit Control & Monitoring Systems (UCMS), and ancillary equipment.
- Prepare arc flash hazard assessments and calculations and review assessments prepared by others.
- Liaise with stakeholders for correlation of design data, drawing preparation, and purchase/delivery of equipment.
- Provide support for the procurement of contracts.
- Review and approve shop and design drawings to ensure they meet design criteria, industry standards, and regulatory requirements.
- Perform site inspections and investigations to gather project information.
- Provide construction support for the corporation's generating facilities including new installations, rehabilitation, upgrades, and maintenance of existing generation assets.
- Lead small teams through specific tasks such as equipment commissioning tests.

### **Qualifications:**

- Graduate in Electrical Engineering from a University of recognized standing with a minimum of four years of related experience.
- Professional member in good standing with Engineers Geoscientists Manitoba.
- Basic knowledge of electrical engineering, safety, and environmental standards, codes, and practices.
- Previous experience in design of apparatus, protection, auxiliary, and control systems for generating stations is an asset.
- Experience with IP networking is an asset.
- Experience with programming of Python, IEC 61131-3 programming languages is an asset.
- Demonstrated ability to work collaboratively and effectively with others and participate on project teams.
- Demonstrated ability to plan and organize concurrent work assignments.
- Capable of communicating effectively, both orally and in writing.

- Must have strong software skills in standard Microsoft applications.
- Must obtain and maintain a current Personal Risk Assessment and a "Clear" security rating in accordance with Manitoba Hydro policy P513.
- Required to travel by all modes of transportation i.e., air, land, and water.
- Possess and maintain a valid Class 5 Province of Manitoba Driver's Licence.

### Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the Professional Engineer II classification is \$42.28-\$58.34 Hourly, \$81,019.90 -\$111,796.10 Annually. The range for the Engineer-in-Training classification is \$31.64-\$44.52 Hourly, \$60,626.80-\$85,308.60 Annually.

### **Apply Now!**

Visit [www.hydro.mb.ca/careers](http://www.hydro.mb.ca/careers) to learn more about this position and to apply online. The deadline for applications is **SEPTEMBER 17, 2024**.

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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