



## EMPLOYMENT OPPORTUNITY

**Closing Date:** 09.07.2024

### HVDC MAINTENANCE ENGINEER

### RIEL CONVERTER STATION/KEEWATINOHK CONVERTER STATION, 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.

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 permanent HVDC Maintenance Engineer to join our System Protection & Control Department.

#### **Responsibilities:**

- Assist in providing all on-site engineering services related to valves and Bipole 3 control and protection systems and HVDC valve equipment for Riel and Keewatinohk Converter Stations, and Synchronous Condenser control and protection systems at Riel Converter Station.
- Regularly travel to Keewatinohk Converter Station to support other groups in the operation and maintenance of the Bipole 3 control and protection systems and valve equipment at that station.
- Respond to forced outages at Riel and Keewatinohk Stations and perform analysis, troubleshooting, and restoration. Work together with site staff and team members to develop and execute corrective action plans to prevent recurrence and ensure equipment is operating safely.
- Participate in after-hours standby rotations to ensure 24/7 Engineering support for Riel and Keewatinohk Converter Stations and respond to emergent forced outages. This requires residing within reasonable driving distance of Riel Converter Station.
- Support communication plans to provide clear information to CS PCME staff, TSO&M Converter Stations South and North, MOES, and other stakeholders on outages including status, risks, pending mitigations, and next steps.
- Establish and maintain positive and effective working relationships and open communication with other HVDC stakeholders such as TSO&M Converter Stations South and North, MOES, System Performance, Station Design, etc.
- Support and provide general expertise to HVDC project groups such as the T&D Projects and Station Design Departments by providing input on project scopes and plans, operational and maintenance requirements, maintainability of new designs, compatibility with existing Bipole 3 and Synchronous Condenser control and protection systems, and ongoing performance assessment of new or proposed equipment.
- Develop and maintain a working level of technical expertise in switching equipment, measurement equipment, valve cooling system, auxiliary system, and other related HVDC and Synchronous Condenser converter station equipment. Provide day-to-day guidance on equipment operation, Engineering support, and technical training and development to site staff to support maintenance activities.
- Represent operating authority during construction and commissioning of new equipment.
- Support security related initiatives including the identification, assessment, and response to cyber security risks, and support the implementation and sustainment of NERC standards, including CIP.

#### **Qualifications:**

- Graduate in Electrical Engineering from a university of recognized standing.
- Minimum six years' experience related to maintenance, operations, design, and commissioning.
- Registered as a Professional Engineer with Engineers and Geoscientists Manitoba.
- Demonstrated HVDC experience and working knowledge of HVDC valves, controls and protection, and synchronous condensers.
- Demonstrated troubleshooting, analysis, and decision-making skills to respond safely, effectively, and efficiently to forced

outages.

- Demonstrated ability to communicate effectively with internal stakeholders, both orally and in writing, including documentation of procedures, test results, recommendations, root causes analysis, and work status.
- Strong engineering analysis skills with the ability to interpret technical material quickly and concisely.
- Demonstrated knowledge of field safety rules and practices.
- Possess a valid Manitoba Driver's Licence.

**Salary Range**

Starting salary will be commensurate with qualifications and experience. The range for the classification is \$46.06-\$63.58 Hourly, \$88,251.02-\$121,841.46 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 **JULY 9, 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.***