



EMPLOYMENT OPPORTUNITY

Closing Date: 29.07.2024

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

We are seeking a Professional Engineer to join our Station Design Department. Under the general direction of the Principal HVDC Automation & Controls Engineer or delegate, prepare detailed design drawings, programming, and provide support for complex protection, control and metering systems, for HVDC converter. As required the position will also support other ongoing projects in the department.

Responsibilities:

- Perform and/or lead teams responsible for the scoping, estimating, design, specification, tender analysis, acceptance testing and support commissioning of HVDC systems, controls and protection for the Corporation's HVDC facilities.
- Provide design expertise in the design of HVDC systems to stakeholders in AP&D and Operations, and conducts drawing reviews to ensure completeness of prior to design approval.
- Prepare specifications, analyze tenders and initiate a recommendation for purchase of materials. With follow-up involving the review and approval of manufacturer's documentation and design, determining and assisting with shop or field tests, and liaison with suppliers as required.
- Monitor and report project progress, and as required initiate corrective actions to ensure budget and in-service goals are met.
- Assist in the development of standards for HVDC systems and stations with continuing review of same to ensure designs are current with technology, are cost effective and satisfy end user requirements.
- Assist in the write-up of commissioning and testing procedures for substation control and metering systems. Provide training, work guidance and on-site assistance when necessary to construction and commissioning staff in areas of expertise.
- Review and accept consultant's designs and reports ensuring compliance with project specifications and standards.

Qualifications:

- A BSc in Electrical/Computer Engineering from a University of recognized standing with a minimum of six years of directly related experience including a minimum of two years' experience directing Engineers, Technologists, Technicians, and Engineering Aids.
- Demonstrated working knowledge and experience of HVDC technology and HVDC controls including both digital and analog systems.
- Must obtain and maintain a current Personnel Risk Assessment and a "Clear" security rating in accordance with Manitoba Hydro policy P513.
- Critical Infrastructure Protection (CIP) Training is required and must be completed prior to transfer date and renewed annually.
- Working knowledge of the operation of the Manitoba Hydro System.
- Working knowledge of HVDC apparatus to include application and interfacing with station control, protection, metering and annunciation circuitry.
- Working knowledge of the Canadian Electrical Code.
- Proven interpersonal skills and ability to provide guidance and technical assistance to others.

- Demonstrated initiative in handling involved and complex technical problems.
- Field experience with installation and maintenance of above mentioned systems would be an asset.
- Membership in Engineers Geoscientists Manitoba.
- 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 \$46.06-\$63.58 Hourly, \$88,251.02-\$121,841.46 Annually.

Apply Now!

Visit www.hydro.mb.ca/careers to learn more about this position and to apply online. The deadline for applications is **JULY 29, 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.