Manitoba Hydro
energy for life

EMPLOYMENT OPPORTUNITY

Closing Date: 23.06.2026

Design Engineer

Winnipeg, MB

Manitoba Hydro is consistently recognized as one of Manitoba's Top Employers! We are 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 champions safety, supports innovation, and delivers on our commitment to customer service - while actively fostering a diverse, equitable, and inclusive workplace reflective of the communities we serve.

Great Benefits

- Competitive salary and comprehensive benefits package.
- Defined-benefit pension plan for long-term financial security.
- Nine-day work cycle, typically resulting in every other Monday off to support a balanced approach to work, family life and community.

Position Overview:

We are seeking a Design Engineer to join the Station Design Department. Under the general direction of the Automation & Controls Engineering Section Head or delegate, provide design and engineering consultant management services for complex capital projects in HVDC Converter and Transmission stations. This position will lead, direct, and support complex design work internally, as well as manage a high volume of work completed by consulting engineers.

Responsibilities:

- Perform and/or lead delivery of conceptual and detailed design, technical specifications, concept reports, material procurement, engineering services, tender analysis, acceptance testing, and support commissioning of complex integrated Station Automation Systems (SAS), and protection, control, metering (PCM) designs for high voltage AC Transmission and HVDC Converter stations, ensuring design deliverables meet all the requirements of project stakeholders and owners.
- Provide expertise and guidance in the field of substation protection, controls, metering, automation, and auxiliary system design to other Business Units and design consultants.
- Lead and direct multiple project teams and consultants concurrently to maintain accountability meeting committed schedules, estimates, and design deliverable quality. Establish direction and clear actionable guidance/statements for stakeholders and design personnel on the scope, schedules, priorities, and deliverables for assigned projects. Lead, direct, and mentor to facilitate the development of junior staff.
- Develop standards that specify the concepts, technology, architecture, and requirements for HVDC and AC Transmission station automation systems.
- Compose, issue, and award contracts for engineering design and material procurement supporting capital projects. Assume quality assurance and oversight for contracted resources. Review and accept consultant's designs and reports ensuring compliance with project requirements, specifications, and standards and ensure efficient delivery of maintainable and consistent standardized designs.
- Consult and coordinate with internal project managers, contract management specialists, and stakeholders throughout the corporation and external consultants on project activities, philosophy, and implementation details to ensure that all share a common understanding of project requirements and deliverables.
- 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.

Qualifications:

- A BSc in Electrical/Computer Engineering from a University of recognized standing with a minimum of seven years of directly related experience, including the design and deployment of auxiliary, control, protection and metering systems including a minimum of two years' experience directing the work of others including Engineers, Technologists, Technicians and Engineering Aids.

- Professional member in good standing with Engineers Geoscientists Manitoba (or willingness and ability to attain within a specified amount of time).
- Critical Infrastructure Protection (CIP) Training is required and must be completed prior to transfer date and renewed annually.
- Working knowledge of procurement for both engineering services and PCM / electrical materials.
- Advanced knowledge of HVDC converter stations and related systems.
- Advanced knowledge of control, metering, and the application of protective relaying and digital communications associated with major AC Transmission and HVDC converter stations.
- Working knowledge of SAS architectures and related communication networks.
- Proven interpersonal skills and ability to provide direction and leadership at an advanced level.
- Working knowledge of the operation of the Manitoba Hydro System.
- Working knowledge of major apparatus to include application and interfacing with station control, protection, metering and annunciation circuitry.
- Working knowledge of the Canadian Electrical Code.
- Field experience with installation, maintenance, construction of the above-mentioned systems would be an asset.
- Must obtain and maintain a current Personnel Risk Assessment and a "Clear" security rating in accordance with Manitoba Hydro policy P513.
- 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 $52.88-$72.45 Hourly, $101,332.40-$138,828.30 Annually.

Apply Now!

Ready to join a team that energizes Manitoba and puts safety, innovation, and inclusion at the heart of everything we do? Visit www.hydro.mb.ca/careers to learn more about this position and to apply online.

Application deadline: JUNE 23, 2026.

We appreciate your interest in Manitoba Hydro and thank all applicants. Only those selected for the next stage of the selection process will be contacted.

If you require accommodations during the recruitment process or need this posting in an accessible format, please let us know - we're committed to a barrier-free experience for all candidates.