



EMPLOYMENT OPPORTUNITY

Closing Date: 10.01.2025

SWITCHYARD ELECTRICAL & GROUNDING DESIGN SECTION HEAD 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 Switchyard Electrical & Grounding Design Section Head to join our Station Design Department. Under the general direction of the Station Design Department Manager, the Switchyard Electrical & Grounding Design Section Head is responsible for providing strategic leadership and technical expertise to a team responsible for the design of switchyard facilities and grounding systems for transmission and distribution stations. You will also act as a senior specialist and consultant in developing project technical specifications and adherence to standards.

Responsibilities:

- Lead, provide strategic direction, and supervise the activities of the Switchyard Electrical & Grounding Design Section to meet the section mandate with a specific focus on continuously improving safety and customer service.
- Direct the design of transmission and distribution stations ranging in voltages up to 500 kV and HVDC switchyards up to 500 kV DC from the concept stage to final design, ensuring design deliverables meet all the requirements of project stakeholders and owners.
- Direct the modeling, design, and development of mitigation measures of station grounding systems to ensure the safety of employees and the public and the proper operation and protection of station equipment.
- Oversee external section procurements, including open tenders (MERX), 3 Bids and a Buy (3BB), Visa procurements, and engineering services tenders to ensure compliance with all Corporate procedures and policies.
- Direct development of new design standards, innovative methods, and design specifications for new or modified station facilities, plus the adherence to existing standards, practices, and procedures, to ensure they are feasible and can be constructed and maintained in a safe and efficient manner.
- Direct the design of all electrical aspects of station switchyards, including the overall layout, selection of equipment, placement of apparatus, structure, bus configuration, clearances, insulation levels, and specification of materials.
- Oversee/monitor consultants and their deliverables and lead the resolution of disputes and/or improvement opportunities as required to meet the Enterprise's needs.
- Consult and coordinate with internal project managers, contract management specialists, stakeholders throughout the Enterprise, and external consultants on project activities to ensure that all share a common understanding of project requirements and deliverables.
- Plan and manage section activities, design deliverables, and maintain accountability in terms of meeting committed schedules and estimates. Establish clear statements for staff on the scope, schedules, priorities, and deliverables for each project/assignment. Coordinate work team efforts to ensure consistency, efficiency, and achievement of committed deliverables.
- Provide Enterprise-level expertise and consulting services in the field of station switchyard design and grounding designs for all Enterprise requirements.
- Represent Manitoba Hydro externally as required in the areas of substation design and grounding, and actively participate in presentations to the public, external regulatory bodies, environmental groups, and government concerning the justification for various designs used in Manitoba Hydro stations.

- Assist the Department Manager with department/divisional administrative and strategic assignments, including key process improvement initiatives.
- Oversee the coordination of Station Design's departmental Scoping and Estimating and Project Schedule Management processes. Liaise with Station Design Section Heads and Project Managers/Coordinators. Direct and oversee updates to processes and resolve challenges at the departmental level as required.

Qualifications:

- Graduate in Electrical Engineering from a university of recognized standing, and one additional year of applicable formal training or education in engineering, business, or project management, plus a minimum of seven years of related experience, including five years of experience covering station design, construction, and/or commissioning and three years of supervisor experience
OR
- Graduate in Electrical Engineering from a university of recognized standing and a minimum of nine years related experience, including five years of experience covering station design, construction, and/or commissioning and three years of supervisor experience.
- Professional member in good standing with Engineers Geoscientists Manitoba.
- Demonstrated knowledge of all types of stations, voltage classes, and their design, including AC substations and HVDC converter stations. Familiar with all types of equipment, including applications involving Gas Insulated Switchgear (GIS), Air Insulated Switchgear (AIS), SVC's, and HVDC converters and related equipment. Familiar with the Canadian Electrical Code, applicable standards, and construction practices.
- Demonstrated knowledge of station bonding and grounding practices, standards, installation, testing procedures, modeling, and mitigation methods.
- Demonstrated clear understanding of working relationships between interdisciplinary project participants, project stakeholders, and owners, including project management and project reporting activities, methods, and procedures. Formal project management training, including possession of a Project Management Professional (PMP) accreditation would be an asset.
- A broad understanding of the roles and challenges in various design and related areas internal and external to the department, such as planning, construction, commissioning, operating, and maintenance.
- Ability to negotiate priorities with project managers, make difficult decisions to allocate limited resources to meet high demands, and deliver on a multitude of commitments.
- Demonstrated ability to provide mature leadership in planning, organizing, and directing the activities of a group of highly skilled engineers, technical officers, and technicians.
- Demonstrated ability to motivate others and a high degree of initiative.
- Demonstrated ability to work effectively on inter-departmental committees, project teams, and task forces that require expertise related to station design and grounding practices.

Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the classification is \$54.45-\$74.59 Hourly, \$104,332.02-\$142,935.78 Annually.

Apply Now!

Visit www.hydro.mb.ca/careers to learn more about this position and to apply online.
The deadline for applications is **JANUARY 10, 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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