Manitoba Hydro
energy for life

EMPLOYMENT OPPORTUNITY

Closing Date: 2026/09/08

Mechanical 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 permanent Mechanical Engineer to join our Generation Design Department in Winnipeg, Manitoba.

Responsibilities:

- Assume professional responsibility for the design, assessment, repair, upgrade, and other tasks required to manage Generation assets such as turbines, generators, cranes, and auxiliary systems.
- Participate on project teams and take a lead role on small to medium 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 assets.
- Apply engineering knowledge and skills to effectively manage Generation assets using demonstrated proficiency in at least the following mechanical engineering theory: Turbine and Generator Expertise, Stress Analysis, Finite Element Analysis, Technical Specification Development, Fatigue Analysis, Machine/Fastener Design, Quality Assurance and Weld Design.
- Provide technical guidance to technical staff within the department and other departments. Liaise with other departments, divisions & business units for correlation of design criteria.
- Lead the development of engineering drawings prepared by technical assistants and apply detailed knowledge of drawing best practices and complex geometric dimensions and tolerances.
- Provide technical review of a variety of welding documents such as welding procedure specifications and qualifications.
- Advise external consultants, suppliers, and contractors of Manitoba Hydro design requirements and review their deliverables to ensure they meet design criteria, industry standards and regulatory requirements.
- Analyse proposals, quotations, and tenders; prepare recommendations to award.
- Participate in quality assurance activities and on-site tests; lead commissioning as required.
- Monitor and control scope, schedule, and budget of assigned tasks.

Qualifications:

- Graduate in Mechanical Engineering from a University of recognized standing plus a minimum of six years of related experience with two years' design experience specific to the position.
- Professional member in good standing with Engineers Geoscientists Manitoba (or willingness and ability to attain within a specified amount of time).
- Working knowledge of the design of machinery, including knowledge and experience performing stress analysis, finite element analysis, fatigue analysis, and joint design (fasteners and welds).
- Working knowledge of mechanical engineering design, codes, standards and practices as they pertain to generating stations and associated infrastructure as well as internal processes, procedures and standards.
- Working knowledge of welding theory and code interpretation.
- Working knowledge of the use and limitations of Autodesk Inventor for both 2D and 3D work, as well as experience interpreting historical engineering drawings.

- Maintain an understanding of applicable engineering/safety standards and legislation.
- Proven ability to plan and execute design projects.
- Demonstrated ability to work independently.
- Capable of communicating effectively, both orally and in writing.
- Demonstrated ability to work collaboratively and effectively with others and participate on project teams.
- Required to travel by all modes of transportation i.e. air, land and water.
- Possess and maintain a valid Class 5 Manitoba Driver's Licence.

Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the classification is $48.74-$67.29 Hourly, $93,398.24-$128,947.78 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: SEPTEMBER 8, 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.