



EMPLOYMENT OPPORTUNITY

Closing Date: 07.07.2026

HVDC Maintenance 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 Maintenance Engineer to join our Maintenance & Operations Engineering Support department. Under the general direction of the MOES Mechanical Section Head or delegate, will provide engineering support for all energy stream assets, with a focus on HVDC Stations to ensure safe, economic, and reliable operations. Mechanical Engineering will be applied toward innovative problem solving, root cause analysis, maintenance program development, commissioning, application of predictive monitoring technology, project scope development and budgeting.

Responsibilities:

- Provide mechanical engineer support for new installations, rehabilitation, up-grades and maintenance of energy stream assets.
- Participate in scope development and prepare condition assessments, technical specifications, recommendations, estimates, and commissioning procedures for the energy stream assets.
- Vibration & Air Gap monitoring and analysis of Synchronous Condensers, Hydraulic and Thermal Generating units.
- Perform site inspections and investigations to gather project information.
- Participate in commissioning and final performance testing for new, repaired, or refurbished systems/equipment.
- Lead various working groups through specific work assignments such as installation of new equipment or refurbishments, equipment assessments, testing and commissioning.
- Lead the creation of Maintenance Procedures and Maintenance change requests in collaboration with the applicable Operations & Maintenance Staff and Asset Management.
- Prepare engineering drawings for mechanical systems in compliance with design criteria, industry standards and regulatory requirements.
- Analyze operating equipment performance and failures, then implement/recommend the most economical modifications to provide efficient and safe operation to improve reliability, availability and performance.
- Analyze equipment operating data and evaluate overall effectiveness of maintenance programs and functional design.
- Analyze Force Outage Reports and complete root cause analysis and reporting.

Qualifications:

- Graduate of a Bachelor of Science in a Mechanical Engineering program from a university of recognized standing plus a minimum of four years' experience. Experience directly related in the field of conversion of electricity or electrical generation would be an asset.
- Professional member in good standing with Engineers Geoscientists Manitoba (or willingness and ability to attain within a specified amount of time).
- Working knowledge of safety, mechanical engineering standards, regulatory requirements, codes and practices, including general knowledge of Inspection and Technical Services Manitoba (ITSM).
- General knowledge of non-destructive examination, metallurgy, heat treating, materials selection, common welding processes

and techniques (SMAW, FCAW, GMAW, and GTAW) and their technical parameters.

- Demonstrated ability in planning, organizing, and directing engineering work involving internal and/or external technical personnel.
- General knowledge of vibration analysis, ISO Vibration standards and use of Vibration monitoring systems/software
- Experience in Equipment Commissioning, Specification Writing and Equipment Overhauls will be considered an asset.
- General knowledge and operational understanding of Converter Stations, and hydraulic & air systems will be considered an asset.
- Hands on mechanical interests and abilities will be considered an asset.
- Willing to travel and remain at work sites for extended periods of time throughout Manitoba as required.
- Physically able to perform duties that require mobility while working at elevations and in confined spaces.
- 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.

NOTE: Required to travel by all modes of transportation i.e., air, land and water.

Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the Professional Engineer II classification is \$44.75-\$61.75 Hourly, \$85,745.40 -\$118,316.64 Annually. The range for the Engineer-in-Training classification is \$33.48-\$47.12 Hourly, \$64,162.80-\$90,284.22 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: JULY 7, 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.

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