



EMPLOYMENT OPPORTUNITY

Closing Date: 2026/07/28

Planning 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're looking for a Planning Engineer to join our Grid Infrastructure Planning Department. Under the direction of the Senior Planning Engineer performs planning studies to evaluate future power system performance under a range of uncertain conditions. The role supports long-term transmission and sub-transmission planning by developing study scenarios, assessing system constraints, and providing technical insights to guide planning decisions.

Responsibilities:

- Conduct exploratory power system studies to assess future grid needs under uncertainty, including load growth, generation additions, and emerging technologies.
- Perform customer load interconnection studies and provide advice to industrial customers.
- Perform exploratory studies regarding load and customer-owned generation interconnection, including feasibility assessments, system impact analysis, and identification of required transmission and sub-transmission reinforcements.
- Contribute to Integrated Resource Planning (IRP) by assessing transmission requirements, analyzing resource scenarios, and supporting long-term expansion strategies.
- Perform technical analysis using power system simulation tools (e.g., PSS®E, PSCAD, DSA Tools) to evaluate system constraints, reliability risks, and develop cost effective mitigation solutions.
- Prepare technical reports, study documentation, and presentations summarizing assumptions, methodologies, results, and recommendations.
- Collaborate with internal stakeholders (planning, operations, asset management, and customer energy service) and support customer engagement activities related to interconnection and planning studies.

Qualifications:

- Graduate in Electrical Engineering from a University of recognized standing with a minimum of six years of related work, of which two years must be directly related to the analysis and planning of electrical power systems.
- Professional member in good standing with Engineers Geoscientists Manitoba (or willingness and ability to attain within a specified amount of time).
- Experience conducting load flow, voltage stability and specialized power system studies.
- A good working knowledge of the power equipment, including its applications and limitations in the power system, would be an asset.
- Demonstrated ability to communicate effectively with personnel both orally and in writing within the Corporation, manufacturers, consulting engineers, and other utility representatives.
- Proven ability to carry out assigned duties with mature judgment and minimum supervision
- Must be able to work on project study teams and to work effectively with others on committees, subcommittees and working groups.
- A master's degree and/or post-graduate courses in power system expansion, voltage stability and applying FACTS devices

would be an asset.

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: JULY 28, 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.