



EMPLOYMENT OPPORTUNITY

Closing Date: 20.10.2025

SENIOR PLANNING ENGINEER (ELECTRICAL) 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 senior planning engineer to join our Integrated Resource Planning Division. You will be responsible for identifying and initiating planning studies necessary to ensure reliable and economic expansion of the Manitoba Hydro's major electrical transmission network.

Responsibilities:

- Direct engineering support staff in the performance of technical studies and provide technical expertise to others.
- Perform load interconnection evaluation/load interconnection facility studies including the addition and expansion of major industrial customers and provide advice on complex issues to the customers.
- Perform complex transmission network planning studies and prepare technical reports that direct the development of the Manitoba Hydro's major electrical transmission network involving 115 kV, 138 kV, 230 kV and 500 kV AC facilities.
- Develop plans, works scope, study models and conduct technical studies to support Manitoba Hydro's compliance to applicable industry reliability standards and requirements.
- Participate in developing capital budget documentation, including the preparation of Capital Investment Concepts and Capital Investment Justifications and obtain approval of the Single Line Diagrams for capital expenditures.
- Prepare and make presentations in defense of reports and recommendations to interested parties.
- Represent the Grid Infrastructure Planning Department and Manitoba Hydro externally by participating on appropriate industry committees.

Qualifications:

- Graduate in Electrical Engineering from a University of recognized standing with a minimum of seven years related experience, of which a minimum of three years' experience is with transmission system planning and analysis.
- Professional member in good standing with Engineers Geoscientists Manitoba (or willingness and ability to attain within a specified amount of time).
- In depth understanding of the large, interconnected power systems and in the application of industry planning standards such as NERC/MRO requirements/standards, power system planning study procedures/criteria and engineering economics.
- Proficient knowledge of power system planning tools for example PSS/E, PowerTech DSA Tools used for electric power system studies such as load flow, contingency analysis, transient stability, voltage stability and fault analysis.
- Proficient knowledge in computer programming in power system simulations and fully knowledgeable in the capital budgeting process.
- Experience with transmission planning would be an asset.

Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the classification is \$51.34-\$70.34 Hourly, \$98,380.88-\$134,784.78 Annually.

Apply Now!

Visit www.hydro.mb.ca/careers to learn more about this position and to apply online.
The deadline for applications is **OCTOBER 20, 2025**.

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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