



EMPLOYMENT OPPORTUNITY

Closing Date: 2025/11/17

RESOURCE OPTIONS PLANNING ENGINEER 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 Resource Options Planning Engineer to join our Energy Resource Planning Department. Under the direction of the Supply Options Planning Lead, will be responsible for performing staged planning for new generation resource options to support supply planning and Integrated Resource Plan development. Activities include development of concepts, costs, schedules and reports for resource options through an integrated planning approach by coordinating staff and input from consultants and other departments.

Responsibilities:

- Develop integrated planning studies for a range of new supply options including, but not limited to, combustion turbines, wind, solar, batteries and hydropower from the Stage 1 Inventory Level to the Stage 4 Pre-investment Level.
- Develop and update concepts, cost estimates, schedules and in-service dates including development activities, alternatives and evaluations based on input developed within the department, from other departments and consultants.
- Develop design criteria for new supply options through research and applying basic engineering principles to help ensure safe and cost-effective solutions that align with system needs.
- Contribute to defining engineering design parameters for supply options, focusing on integrating innovative solutions to meet safety, cost-efficiency, and system compatibility requirements within the generation and transmission network.
- Coordinate planning activity schedules, and track deliverables and drive their progress to completion.
- Collaborate with cross functional teams including members from within the department, other departments and by consultants contributing to the staged planning studies. These studies included but are not limited to generation design, operations, transmission interconnection, licensing & permitting, property, environmental assessment and mitigation, cost estimating and risk analysis.
- Prepare and update supply options input parameters annually for input to long term supply planning and integrated resource planning processes.
- Participate in research and monitoring activities for supply options to ensure that planning considers modern technologies to be incorporated in the conceptual planning of supply options.
- Conduct and participate in engineering economic analysis and evaluations, business case development and risk analysis.
- Create and contribute to the development of reports and technical memoranda documenting results of planning studies.

Qualifications:

- Graduate in Civil, Mechanical or Electrical Engineering with a minimum of six years of directly related experience including at least two years directly related planning experience.
- Professional member in good standing with Engineers Geoscientists Manitoba (or willingness and ability to attain within a specified amount of time).
- Demonstrated ability to communicate effectively, both orally and in writing.

- Knowledge of the planning, design and operation of hydropower, wind and solar would be an asset.
- Knowledge of generation planning, engineering, cost estimating, scheduling and construction principles and contracting practices.
- Knowledge of the operation of Manitoba Hydro's integrated system including generation, transmission and HVDC operations.
- Ability to effectively coordinate and direct personnel both inside and outside Manitoba Hydro.
- Must possess initiative and sound judgment with the ability to make and implement sound and timely decisions.
- Must be able to handle complex technical problems with minimal supervision.
- Demonstrated initiative, creativity and ability to motivate personnel both inside and outside of the Corporation.
- A good organizer and capable of scheduling work to meet defined objectives.
- Demonstrated experience with application of project management processes and tools to manage projects.
- Demonstrated ability to carry out numerous concurrent tasks.
- Must obtain and maintain a current Personal Risk Assessment and a "Clear" security rating in accordance with Manitoba Hydro policy P513.

Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the classification is \$47.32-\$65.33 Hourly, \$90,677.86-\$125,192.08 Annually.

Apply Now!

Visit www.hydro.mb.ca/careers to learn more about this position and to apply online.

The deadline for applications is NOVEMBER 17, 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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