



## EMPLOYMENT OPPORTUNITY

**Closing Date:** 02.07.2024

# OPERATIONAL HYDROLOGY 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 an Operational Hydrology Engineer to join our Engineering Water Resources Department. Under the direction of the Hydrology & Climate Section Head and Operational Hydrology Lead, you will be responsible for performing hydrologic water resource engineering activities to support Manitoba Hydro's long-term water supply studies and other initiatives relate to the planning, operation, licensing, and maintenance of existing and future hydro development facilities. Activities include but are not limited to, statistical hydrology, watershed and reservoir simulation modeling, stochastic modelling, drought review, meteorological analysis, and inflow forecasting support.

### **Responsibilities:**

- Perform hydrologic assessments that include streamflow data analysis, statistical frequency analysis, re-regulation and naturalization studies, stochastic modelling, reservoir simulation for hydraulic operations, and operational hydrology.
- Perform hydrologic studies for the Corporate Flow Record Improvement Project, and provide expertise related to its design and improvement.
- Perform studies to establish hydrologic design criteria relevant to structure design, dam safety, severance line establishment, and fish passage/instream flow needs.
- Perform studies to support operations and address stakeholder concerns#regarding Manitoba Hydro assets and operations.
- Support the inflow forecasting initiatives, including forecasting system development and operation, and the set-up, calibration, validation, and maintenance of hydrological models for Manitoba Hydro's system.
- Support Manitoba Hydro's climate change studies and work related to energy operations planning and integrated resource planning.
- Support the preparation of technical materials and filings for Environmental Impact Statements, License Renewals, regulatory submissions, and other corporate needs.
- Maintain technical competency and awareness of new developments and applications in hydrology and climate change and incorporate this knowledge in the day-to-day activities to solving complex hydrologic assignments.
- Collaborate with other utilities, consultants, researchers, and universities in developing and implementing innovative hydrologic and meteorological modeling tools.
- Prepare reports, presentations, and workshops as required.

### **Qualifications:**

- A four-year degree in Civil Engineering, from a university of recognized standing, plus a minimum of six years of experience related to hydroelectric utility operations or hydrologic studies.
- M.Sc. or Ph.D. in water resource engineering would be an asset.
- Experience in operational hydrology, statistical analysis, watershed modeling, climate change modeling, and water resource engineering.
- Professional member in good standing with Engineers Geoscientists Manitoba.

- Must have excellent computer skills including knowledge of relevant hydrologic and statistical software, information management, and programming languages.
- Able to apply engineering principles, exercise judgement, and make decisions involving business and financial risks.
- Ability to influence and work cooperatively with corporate employees, contractors, consultants, and others.
- Demonstrated troubleshooting, analysis, and decision-making skills.
- Demonstrated ability to communicate effectively, both orally and in writing.
- Demonstrated ability to identify, prioritize, plan, schedule, and complete a high volume of work.
- Demonstrated proficiency in computer-based analysis, modeling, and/or programming.
- Must have a thorough knowledge of Corporation policies, procedures, and regulations.
- Willingness to enroll in formal training sessions in engineering, computer programming, as required to maintain proficiency.
- May be required to travel both in and out of province.
- Possess and maintain a valid Manitoba Motor Vehicle Driver's Licence.
- Must have completed Standards of Conduct training or be willing to complete within two weeks of start date.
- Must obtain and maintain a current Personnel Risk Assessment and a "Clear" security rating in accordance with Manitoba Hydro policy G45D.

**Salary Range**

Starting salary will be commensurate with qualifications and experience. The range for the classification is \$46.06-\$63.58 Hourly, \$88,251.02-\$121,841.46 Annually.

**Apply Now!**

Visit [www.hydro.mb.ca/careers](http://www.hydro.mb.ca/careers) to learn more about this position and to apply online. The deadline for applications is **JULY 2, 2024**.

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.***