



EMPLOYMENT OPPORTUNITY

Closing Date: 2026/01/23

ADMS Application and Modeling Lead 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.
- 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.

Position Overview:

We are seeking a permanent ADMS Application and Modeling Lead Engineer to join our Control Centre Technology Systems Department in Winnipeg, Manitoba.

Responsibilities:

- Lead, supervise and mentor the ADMS Application and Modeling team which includes Professional Engineers, Technologists, Engineers-in-Training, Interns, and summer students. Complete evaluations and development plans for reporting staff. Guide the development, organize, and determine training initiatives for the team and direct reports.
- Lead the sustainment of the real-time distribution network model in ADMS. Tasks include model conversion from GIS and EMS, establishing model data standards for identified model uses, model validation, providing leadership to resolve model data deficiencies, assemblage of station and feeder models, power flow and advanced applications tuning and model deployment to ADMS systems.
- Work together with Application Support and Change Management (SCADA) and Data and Software Solutions sections to ensure synergy across transmission and distribution models, applications and infrastructure.
- Collaborate with system operation coordinators, change management, distribution operations planning, distribution system planning, SCADA modeling and display team, GIS support team, distribution design group and technology project delivery team regarding distribution modeling and advanced application requirements.
- Lead and contribute to the development of Advanced Distribution Management System (ADMS) technology roadmaps including but not limited to the Model Manager Environment, the Outage Management System and the Advanced Real-time Distribution Management Tools and Monitoring and Distributed Energy Resource Management system.
- Represent Manitoba Hydro to external parties that are involved with similar technical applications. Present initiatives, share and collaborate with other members of the industry that have common goals. Represent Manitoba Hydro at the GE User Group and DistribuTech.
- Lead the development of advanced distribution applications for System Operations such as: Distribution Simulator, FLISR, Volt-Var Optimization, Power Flow Study Analysis, Switching Management, Outage Management Applications, and DERMS applications.
- Review and assess staffing requirements necessary for future projects required for compliance and system improvement.
- Troubleshoot and resolve real-time problems with the ADMS advanced engineering applications and model data.
- Lead system upgrade initiatives and system benchmarking for the ADMS. Participate in system tests / verifications by analyzing application requirements, defining operation limitations, monitoring electrical quantities, and verifying results.
- Provide training for System Operators and other external staff on ADMS applications.
- Participate as required on inter-utility study task forces and committees concerned with Advanced Distribution Power System Applications and prepare formal reports and technical memorandums.

Qualifications:

- Graduate in Electrical or Computer Engineering from a University of recognized standing and a minimum of seven years of related experience in power systems engineering.
- Professional member in good standing with Engineers Geoscientists Manitoba (or willingness and ability to attain within a specified amount of time).
- Must have completed Standards of Conduct training or be willing to complete it within two weeks of the start date.
- Possess a valid Province of Manitoba Driver's Licence.
- Must obtain and maintain a current Personnel Risk Assessment and a "Clear" security rating in accordance with Manitoba Hydro policy P513.
- Familiarity with distribution modeling, CYME, power system analysis, ADMS and related technologies, outage management, distribution planning, and geographic information systems (GIS).
- Experience with smart grid technologies and renewable energy integration.
- Knowledge of control room processes and familiarity with control room positions and their duties/responsibilities would be an asset.
- Demonstrated ability to effectively use computer programs to perform system studies and analyze power systems.
- Knowledge of programming languages would be an asset.
- Demonstrated ability to work in a technical team environment.
- Must have the capability to effectively coordinate projects and to adjust to frequently changing priorities.
- Present strong communication skills and capable of explaining complex ideas to all levels of audiences.
- Possess initiative and mature judgment with the ability to make and implement sound decisions.
- Willing to represent the corporation on external committees and working groups.
- Ability to be tactful and diplomatic with the ability to gain the confidence of others.

Salary Range

Starting salary will be commensurate with qualifications and experience. The range for the classification is \$52.88-\$72.45 Hourly, \$101,332.40-\$138,828.30 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: JANUARY 23, 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.