

CAREER OPPORTUNITY

Mechanical Systems Engineer/Professional

Are you interested in joining an organization that's passionate about helping Manitobans save energy, money, and the environment?

Efficiency Manitoba is our provincial Crown corporation focused on working with Manitobans to reduce electricity and natural gas consumption in homes, businesses, and communities across the province.

We're a dynamic, nimble, action-oriented, and transparent organization that fosters positive engagement, creativity, and diversity across our team and those with whom we work. With our purpose-driven culture and commitment to putting people first, we were selected as one of Manitoba's Top Employers in 2025.

We're recruiting for a full-time, permanent position of **Mechanical Systems Engineer/Professional**.

POSITION OVERVIEW

As a part of a strong, multi-disciplinary Strategic Initiatives technical team, the Mechanical Systems Engineer / Professional will work to support the residential and commercial design and building community through Efficiency Manitoba's demand side management programs. The focus of this position is the application of energy efficient HVAC systems in the pursuit of energy and peak demand savings for buildings in Manitoba. Technology focus areas will include both traditional HVAC systems as well as emerging technologies such as air and ground source heat pumps, thermal storage, demand response, renewables and district systems. This position benefits from a strong wholistic understanding of buildings, including how the building enclosure and internal loads impact the mechanical systems.

RESPONSIBILITIES

Under the direction of the Strategic Initiatives Technical Lead or designate, the Mechanical Systems Engineer / Professional will provide support to energy efficiency programs and initiatives at Efficiency Manitoba, including but not limited to:

- Provide mechanical systems focused technical support for energy efficiency and demand side management programs relating to their development, oversight, maintenance, promotion, and delivery.
- Provide technical support for programs including review of engineering calculations, drawings, equipment specifications and other materials related to program applications as well as the development and review of calculations related to energy and demand savings and related financial incentives.
- Respond to program participant inquiries as they relate to program technical issues in a professional and helpful manner.
- Review mechanical system drawings, specifications and reports to identify energy efficiency opportunities specific to heating, ventilation and air conditioning systems and controls.
- Safely conduct on-site visits to customer premises to identify energy efficiency opportunities, review program compliance of installed technologies, assist in troubleshooting and optimization of system performance.
- Provide engineering expertise in mechanical systems investigations, coordination of field measurements, and preparation of technical analysis.
- Provide technical review for project submissions involving novel approaches and emerging technologies to the Efficiency Manitoba Innovation Fund.
- Provide technical support for the review and development of: educational materials and presentations to both internal and external parties, guidelines, standards, codes and policy.
- Provide technical support planning and external evaluation of Efficiency Manitoba's programs including research, review, development and maintenance of claimed savings methodology and technical reference materials.
- Collaborate and communicate with internal and external stakeholders, such as customers, utilities, consultants, vendors, and contractors.
- Participate as an active/contributing member in industry organizations and associations to develop and maintain strong working relationships with the design community, trade allies, customer segment representatives, and Municipal, Provincial, and Federal government departments as required.
- Provide customer engagement including customer and market sector research, lead generation, customer qualification and correspondence, customer and industry presentations, building and technology assessments, proposal preparation and presentations, project monitoring, and follow-ups.
- Keep abreast of applicable regulations, codes, standards, trends and new developments in innovative technologies related to current program offerings.
- Conduct research and analysis of emerging technologies related to energy efficiency, demand response and related non-energy benefits (e.g. GHG emissions reduction, water savings, indoor environmental quality).
- Maintain and enhance mechanical systems knowledge and expertise within Efficiency Manitoba through professional and educational development.
- Assist in the technical review of building energy models and energy audits.

- Occasionally required to travel and attend meetings and functions outside of normal working hours.

REQUIREMENTS

- A four-year degree from a university of recognized standing majoring in Mechanical Engineering, plus a minimum of four years of directly related experience or,
- A related two-year diploma, typically mechanical technology, from an institute of recognized standing and a minimum of six years of directly related experience demonstrating the required skills and abilities for the position or,
- An equivalent combination of related education and work experience.
- Minimum of two years of related building energy efficiency experience.
- Eligible for registration with Engineers Geoscientists Manitoba, Certified Technicians & Technologists Association of Manitoba, or other related professional association.
- Certifications in energy efficiency, sustainability, mechanical design / commissioning, measurement and verification, and project management are considered an asset. Examples of such include ASHRAE BCxP/BEAP/BEMP/HBDP/HFDP/OPMP, CBCP, CMVP, CEM®, LEED® BD&C; please provide relevant certificates of qualification.
- Good working knowledge of mechanical engineering principles related to building mechanical systems and energy efficiency.
- Proven knowledge and experience in design and review of HVAC mechanical systems, particularly air and ground source heat pumps and controls.
- Proven knowledge and experience in commissioning and troubleshooting mechanical systems with building owners, managers and contractors.
- A diversity of experience with both commercial and residential mechanical systems is an asset.
- Working knowledge of the National Energy Code for Buildings and National Building Code are an asset.
- Working knowledge of building science fundamentals, and the design construction of energy efficient building enclosures is an asset.
- Familiarity with relevant standards such as ASHRAE, CSA and IPMVP related to mechanical systems, and building energy performance are an asset.
- Working knowledge of mechanical system and/or building energy modelling, CAD and BIM applications, building automation and control systems, energy monitoring, and programming/scripting would be considered an asset.
- Demonstrated diplomacy and tact with proven capability to work effectively in a team environment and communicate with all levels of internal and external stakeholders.

- Proven ability to independently plan, organize and manage multiple projects while meeting deadlines and commitments.
- Collaborative and team-oriented approach to work with excellent written, oral, and interpersonal communication skills, both in person and virtually.
- Proficient in Microsoft Office Suite
- Effective time management skills to handle multiple projects and priorities.
- Must possess a valid Manitoba driver's license.

We're proud to offer and foster a supportive and team-oriented work environment. We offer a competitive compensation package, which includes a defined-benefit pension plan and access to a comprehensive health benefits plan. We provide the opportunity for virtual work arrangements, and have a nine-day work cycle which normally results in approximately every other Monday off.

Position title, classification and compensation will be commensurate with education, experience, and qualifications of the successful applicant. The salary range for this position ranges from \$80,030 to \$110,430 annually. Please note that only candidates with a recognized engineering degree and professional engineering registration (P.Eng.) in Manitoba will be eligible for the upper end of the salary range.

At Efficiency Manitoba, we're committed to creating and maintaining a safe, equitable, and inclusive work environment. Women, Indigenous peoples, persons with a disability, and members of visible minorities are encouraged to self-declare in their application. Reasonable accommodations are available to applicants who may experience a barrier arising from a protected characteristic(s) identified in The Manitoba Human Rights Code. Please let us know if you require accommodations during the recruitment process.

The ability to communicate in French, both verbally and in writing, is considered an asset for all positions at Efficiency Manitoba.

We encourage interested candidates to apply by emailing their application including their qualifications and relevant experience to careers@efficiencymb.ca no later than **Wednesday, February 17, 2026**. Please reference the position title in the subject line of your email.

We thank all candidates who apply, however, only those selected for an interview will be contacted.

For more information on Efficiency Manitoba, candidates are encouraged to visit our website at efficiencyMB.ca.