

## CAREER OPPORTUNITY

### Mechanical Systems Engineer

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 with those we work with.

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

### POSITION OVERVIEW

Reporting to the Mechanical Systems Technical Lead and working closely with the High-Performance Buildings team, the Mechanical Systems Engineer will be responsible for working with the design community in the commercial, institutional, and multi-unit residential building sectors, focusing on energy efficient building design and functional and operational commissioning in support of high-performance buildings.

### RESPONSIBILITIES

- Perform and oversee building energy modelling reviews and evaluations associated with building projects using energy modelling software tools to determine program eligibility.
- Review energy models for general conformance to and consistency with energy codes and program requirements through the review of construction drawing and product/equipment details.
- Respond to participant inquiries as they relate to program technical issues.
- Be actively engaged in the building industry to understand market forces to be considered in the development and enhancement of EM programs.
- Undertake periodic site visits to meet with prospective program applicants and discuss project eligibility.

- Provide technical and educational support for the development and evolution of high-performance building codes, regulations, guidelines, and standards at the local and national level.
- Serve as the Efficiency Manitoba liaison related to supporting, updating, and promoting adoption of current and future high-performance building codes.
- Establish and maintain close working relationships with building design professionals (e.g., architects and engineers), associations, authorities having jurisdiction (AHJs) and trade allies within the design and construction industry.
- Develop and deliver industry educational presentations on EM programs and building energy modelling at seminars, workshops, and training sessions for internal staff and external stakeholders.
- Maintain and enhance building systems and energy modelling technical knowledge through educational development.
- Be actively engaged in relevant industry associations to promote high performance buildings and encourage participation in Efficiency Manitoba programs.
- Provide modelling and technical support to commercial building programs including, but not limited to, the New Buildings, Commercial Deep Energy Retrofit, Commercial Energy Audit, Custom Energy Solutions, and prescriptive HVAC programs.

## REQUIREMENTS

- Graduate in Mechanical Engineering from a university of recognized standing with a minimum of four (4) years of related engineering design and construction experience.
- Eligible for registration and membership with Engineers Geoscientists Manitoba as a Professional Engineer.
- Demonstrated knowledge and a minimum of two (2) years of experience related to energy efficiency.
- Specialized working knowledge of building energy modelling software (eQUEST, CAN-QUEST, EnergyPlus, Integrated Environmental Solutions (IES)-VE, Trane Trace, Carrier Hourly Analysis Program (HAP) or others).
- Certification in energy efficiency and sustainability fields such as CEM<sup>®</sup>, CMVP<sup>®</sup>, BEMP, LEED<sup>®</sup> and/or others are an asset.
- Working knowledge of the National Energy Code for Buildings and Manitoba amendments.
- Familiarity with ASHRAE and CSA standards related to building systems and energy efficiency.
- Experience with natural gas and electricity rates as used to perform savings calculations for energy efficiency measures in buildings.
- Proven ability to independently plan, organize and manage multiple projects in

specific areas of responsibility involving a high degree of specialization while meeting deadlines and commitments.

- 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 every other Monday off.

The starting salary for this position will be commensurate with qualifications and experience. The salary range for this position is \$76,157.33 to \$105,086.41 annually.

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.

We encourage interested candidates to apply by emailing their application including their qualifications and relevant experience to **careers@efficiencyMB.ca** no later than **Monday, September 25, 2023**. 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](http://efficiencyMB.ca).