

CAREER OPPORTUNITY

ELECTRICAL 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 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 currently recruiting for a full-time, permanent Electrical Systems Engineer.

POSITION OVERVIEW

As a part of a strong, multi-disciplinary technical team, and reporting to the Electrical Systems Technical Lead, the Electrical Systems Engineer will work with the design and building community in the commercial, institutional, and residential sectors. The successful applicant will provide technical expertise in strategizing and positioning in the planning, organizing, monitoring, and coordination of customer focused demand side management programs. Technologies of focus for this position will include, but are not limited to, lighting and lighting control systems, solar photovoltaics, battery storage, energy management systems, demand response ready technologies, and high-performance buildings in Manitoba.

RESPONSIBILITIES

- Provide electrical systems focused technical support for demand side management and demand response 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 preparation of calculations related to energy savings and incentives.

- Respond to participant inquiries as they relate to program technical issues in a professional and helpful manner.
- Safely conduct on-site visits to customer premises to identify energy efficiency opportunities and to review program compliance of installed technologies.
- Provide engineering expertise in electrical systems investigations, coordination of field measurements, and preparation of technical analysis.
- Provide technical review of proposals involving novel approaches and emerging technologies within submissions to the Efficiency Manitoba Innovation Fund, as assigned by the Technical Lead.
- Assist in the technical review of energy models and energy audits where applicable.
- Provide technical support for the development of educational materials and presentations, guidelines, standards, codes, and policy.
- Collaborate and communicate with internal and external interested parties, 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.
- Keep abreast of codes, standards, trends and new developments in innovative technologies. Conduct research and analysis of emerging technologies under the direction of the Technical Lead.
- Maintain and enhance electrical systems knowledge and expertise within Efficiency Manitoba through professional and educational development.
- Develop and deliver technical educational presentations to both internal and external interested parties.
- Review and provide feedback on technical matters related to external evaluation activities.
- 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 Electrical Engineering, plus a minimum of four years related experience.
- Eligible for registration with Engineers Geoscientists Manitoba.
- Certifications in energy efficiency, sustainability, and electrical design fields such as CMVP, CEM®, LEED® BD&C and/or professional certifications are an asset; please provide relevant certificates of qualification.

- Proven experience in design and review of electrical building systems and controls.
- Good working knowledge of electrical engineering principles as they relate to building electrical systems and energy efficiency.
- A diversity of experience with both commercial and residential electrical systems is an asset.
- Working knowledge of the Canadian Electrical Code, National Energy Code for Buildings, and National Building Code are an asset.
- Familiarity with standards, as published by standard development organizations such as IESNA / CSA / NFPA / IEEE, related to electrical systems are an asset.
- A working knowledge of building energy modelling, CAD, and BIM applications, building automation and control systems, and energy monitoring would be considered an asset.
- Experience with building systems commissioning and functional testing would be considered an asset.
- Proven ability to independently plan, organize, and manage multiple projects while meeting deadlines and commitments.
- Demonstrated diplomacy and tact with proven capability to work effectively in a team environment and communicate with all levels of internal and external interested parties.
- 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 (Word, Excel, PowerPoint, SharePoint, Teams, OneNote). A working knowledge of VBA and Python scripting would be considered an asset.
- Effective time management skills and ability to shift focus between a multitude of projects and priorities.
- Must possess a valid Manitoba driver's license.

We're proud to provide 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.

Applicants who may not meet every listed qualification are still encouraged to apply. We value diverse skills, perspectives, and a willingness to learn, recognizing that strengths and relevant experience can come from a variety of backgrounds. The position title, classification, and starting salary for this position will be commensurate

with education, experience, and qualifications of the successful applicant. The salary range for this position ranges from \$80,030.32 to \$110,430.58 annually. Please note that only candidates with a recognized engineering degree and professional engineering registration (P.Eng.) in Manitoba will be eligible for this 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 Sunday, September 21, 2025. 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 about Efficiency Manitoba, candidates can visit our website at efficiencyMB.ca.