

# CAREER OPPORTUNITY

## Electrical Engineer

Efficiency Manitoba is Manitoba's newest Crown corporation focused on reducing electricity and natural gas consumption – helping customers save energy, money, and the environment.

We are looking for individuals that have the experience, skills, and passion to help build and contribute to our organization that is transparent, fiscally responsible, and committed to delivering value to Manitobans. If you are qualified and inspired by this opportunity, we are looking for you!

We are currently recruiting for the position of **Electrical Engineer**.

## POSITION OVERVIEW

Under the general direction of the Senior Electrical Systems Engineer, will provide technical strategies and positioning in the planning, organizing, monitoring, and coordination of customer focused energy efficient electrical technologies. Responsible for providing engineering expertise regarding the electrical compatibility and power quality aspects of lighting systems, implementation of solar photovoltaics and battery storage and the performance of electrical energy saving devices. Responsible for establishing and facilitating strong relations with internal teams and industry stakeholders.

Candidates inspired by the opportunity to improve the energy efficiency and sustainability of our province and who have the confidence, professionalism and sound judgment to achieve the best overall value for Efficiency Manitoba will want to explore this opportunity.

## RESPONSIBILITIES

- Provide engineering expertise in electrical systems investigations, coordinate field measurements and conduct technical and economic analysis. Summarize results and recommend potential improvements in electrical systems.

- Provide technical assistance to customers with concerns related to the use and application of existing and new lighting technologies.
- Perform advanced custom review and savings calculations of lighting systems and controls.
- Maintain an advanced working knowledge of data analysis for customized electrical products and designs related to optimal performance and electrical compatibility within the building electrical infrastructure.
- Work cooperatively with internal teams, customers, consultants and manufacturers to assess and evaluate new technologies and products used within a facility to support demand side management program design and delivery.
- Work in a variety of job environments in the commercial and industrial sector. Safely conduct on-site visits to customer premises to identify energy efficiency opportunities with respect of electrical systems (i.e. lighting, pumps, fans, motors, controls).
- Perform and document technical and economic analysis of emerging energy technologies and projects.
- Respond to participant inquiries as they relate to program technical issues in a professional and helpful manner.
- Provide technical and educational support for the development and evolution of high-performance electrical equipment guidelines and standards.
- Establish and maintain a close working relationship with the design community, distributors, associations, and trade allies within the electrical industry.
- Develop and deliver industry educational presentations on energy efficient electrical technologies at seminars, workshops, and training sessions for internal staff and external stakeholders.
- Maintain and enhance technical knowledge through educational development.
- Be actively engaged in relevant industry associations to promote energy efficient products and technologies and encourage participation in Efficiency Manitoba programs.

## REQUIREMENTS

- Graduate in Electrical Engineering from a university of recognized standing with a minimum of 4 years related experience.
- Eligible for membership in Engineers Geoscientists Manitoba as a Professional Engineer is mandatory.
- Possess working knowledge in the multi-engineering disciplines of electrical and industrial engineering associated to lighting, building systems, and power quality topics related to the operation of customer's electrical equipment.
- Possess solid interpersonal skills in effectively dealing with customers, trade allies, equipment suppliers and team members.
- Demonstrated ability to prepare, analyze and evaluate reports, as well as the ability to carry out assigned duties with mature judgement and minimum supervision.
- Experience in effectively communicating technical engineering content to a variety of audiences.
- Working knowledge of energy codes and standards.
- Experience with 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.
- Demonstrated diplomacy and tact with proven capability to work effectively in a team environment and communicate with all levels of internal and external stakeholders.
- Proficient in the Microsoft Office environment (Excel, Word).
- An energy efficiency designation (i.e. CEM, CMVP) is an asset.
- Must possess a valid Manitoba driver's license.
- Must successfully complete a Personnel Risk Assessment.

We offer a competitive compensation and benefits package and a supportive, team-oriented work environment.

We encourage interested candidates to apply by emailing their qualifications and relevant experience to [careers@efficiencyMB.ca](mailto:careers@efficiencyMB.ca) no later than **4:30 p.m. on Friday, October 29, 2021**. Applicants are asked to reference the position title in the subject line of their application email.

Women, Indigenous peoples, persons with a disability and visible minority diversity candidates are encouraged to self-declare in their application.

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

For more information on Efficiency Manitoba including our vision, mission, strategic goals and guiding principles, candidates are encouraged to visit our website at [efficiencyMB.ca](http://efficiencyMB.ca).