

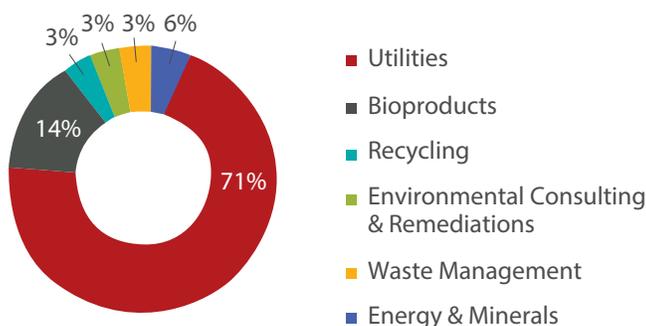
Winnipeg has among the lowest published rates for hydroelectricity and one of the most reliable electrical grids in North America. Manitoba Hydro is a huge exporter of electricity to the United States. We're also a significant centre of natural gas distribution and alternative energy development, including wind turbine power production.

ENERGY & ENVIRONMENT

A GROWING SECTOR

Manitoba Hydro is a central player in the energy and environment sector with a strong commitment to sustainable development. Manitoba Hydro exports electricity to more than 30 electric utilities in Canada and the Midwest U.S. Nearly all electricity (96 per cent) generated by Manitoba Hydro is from self-renewing hydro power from 15 hydroelectric generating stations. Although modest in size, there are more than 670 business establishments in the sector, as well as a large number of government and non-profit organizations. Additionally, there is a tremendous depth of technical, scientific and business expertise among Winnipeg's environmental companies.

Employment in the Energy and Environment Sector (2014)



Source: RDA Global

WINNIPEG'S ADVANTAGES

Among the lowest published electricity rates in North America; almost all power is produced by renewable hydroelectric sources

16 leading research centres for sustainable development

All new buildings receiving public funding are required to meet LEED building standards

Manitoba is a Canadian leader in the installation of energy efficient geothermal heating systems

Research and Development

Winnipeg's environmental sector is supported by some of the world's leading environmental research centres.

University of Manitoba's Sea Ice Research Group

Richardson College for the Environment and Science Complex

International Institute for Sustainable Development (IISD), headquartered in Winnipeg (with branch offices in Ottawa, New York City and Geneva, Switzerland)

Education and Training

Three major post-secondary educational institutions—the

University of Manitoba, the University of Winnipeg and Red River College—are located in Winnipeg, with combined enrollment of more than 42,000 full-time students. Programs are offered in environmental engineering, bioprocess engineering, biomedical engineering and natural resources. Research fields include environmental engineering, instrumentation, soil and water engineering, and bio-environments.

Energy and Environment Network
Manitoba Hydro

National Research Council Canada - Industrial Research Assistance Program (IRAP)

University of Manitoba Centre for Earth Observation

Composites Innovation Centre (CIC)

Supportive Governments

Government partners offer an array of local, provincial, and national programs that provide financial assistance like tax credits, tax incentives, training assistance, R&D assistance, loan guarantees and wage subsidies. Governments are also active partners through investment in industry-applied research capacity.



International Institute for Sustainable Development

Institut international du développement durable



TETRA TECH



Key industry leaders located in Winnipeg: