

ENERGY EFFICIENCY

Reduction at source

Recovery of energy

Replacement of equipment

QUÉBEC ASSETS

>> 2030 Energy Policy

- Enhance energy efficiency by **15%**
- Reduce the consumption of petroleum products by **40%**

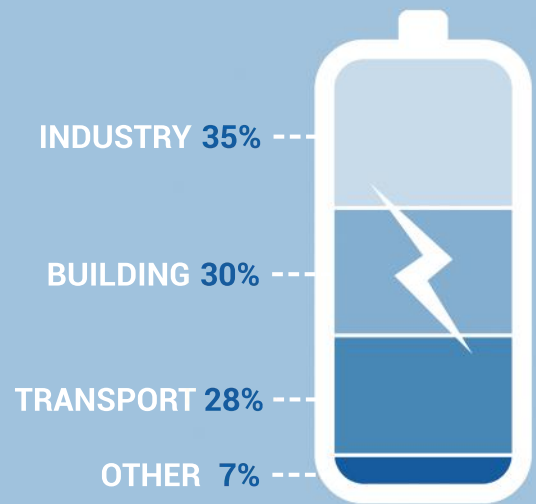
>> A **carbon price** will encourage consumers to use resources more efficiently

>> Development of expertise in **northern climates**

>> **Transition énergétique Québec** coordinates government initiatives and programs

>> Challenge: **low cost electricity** from renewable sources

Québec energy consumption by sector of activity in 2014



Potential for energy consumption savings by sector*



Building
25%



Industry
12%



Transport
8%

* Chair in Energy Sector Management - HEC Montréal (2016)

Research and organizations



- >> CanmetENERGY - Natural Resources Canada
- >> Chair in Energy Sector Management - HEC Montréal
- >> Industrial Research Chair in energy technology and energy efficiency (T3E) - École de Technologie Supérieure
- >> Chaire de recherche de l'Université Concordia en Énergie et Environnement
- >> Institut de l'environnement, du développement durable et de l'économie circulaire (Institut EDDEC)
- >> Institut de Recherche d'Hydro-Québec (IREQ)



- >> Association Québécoise pour la Maîtrise de l'Énergie (AQME)
- >> Canadian Energy Efficiency Alliance (CEEA)
- >> Coop Carbone

In collaboration with



Chaire de gestion
du secteur de l'énergie
HEC MONTRÉAL

A sample of Québec's innovations



atis-tech.com

Atis Technologies supplies the industrial and food processing sectors with solutions that greatly reduce energy consumption and increase profitability by combining renewable energy with effective energy management. Atis Technologies has developed energy management and control systems that optimize performance and deliver results.



carnotrefrigeration.com

Carnot Réfrigération designs and manufactures high-end, energy efficient systems using environmentally friendly methods. It specializes in CO2 refrigeration systems with heat recovery for supermarkets, refrigerated warehouses and arenas, as well as air conditioning for server rooms.



ecosystem-energy.com

Ecosystem is an award-winning, independent design-build firm offering turnkey construction and retrofit projects in Canada and the U.S. The company designs and delivers high-performance infrastructures in the institutional, commercial, municipal, industrial, and real estate sectors.



energere.com

Energere is a leading energy services company (ESCO) that provides innovative solutions to increase energy efficiency and reduce operating and maintenance expenses of buildings, in the institutional, industrial, commercial and municipal sectors.



sigmaenergystorage.com

The hybrid compressed air energy storage solution developed by Sigma Energy Storage resolves several issues in a number of situations. It stores the intermittent power generated by renewable energies, making it more predictable; it reduces excess diesel-generated power, cutting fuel consumption by 30%; and it provides an alternative to investing in building more electric power facilities to meet peak demand.



ubios.ca

Ubios has designed a home automation system to control energy consumption, temperature, and most importantly, prevent water damage. With its modular platform, this system increases security, optimizes comfort and helps save on utility and insurance bills.



vizimax.com

Vizimax develops and manufactures products to optimize the production, transportation and consumption of energy. The company helps its customers measure, control and switch equipment to meet energy sector challenges such as infrastructure durability, new technology support, renewable energy use and the optimization of existing assets.



As the first organization of this kind in Canada, **Écotech Québec** brings together key decision makers of Québec's cleantech ecosystem.

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