

Western Canada's leader in helping organizations save energy.



Our Services

Building Performance

- **Energy Audits:** high level energy assessments and detailed energy and water audits
- **Energy Upgrades:** design and implementation of energy efficient measures to upgrade mechanical and electrical building systems
- **Building Controls Optimization:** systems upgrades and re-commissioning
- **Renewable Energy:** feasibility studies and detailed design, including solar and biomass
- **Mechanical System Upgrades:** analysis, design and renewal of HVAC, plumbing and fire suppression systems, chiller and boiler plants, and building automation
- **Electrical System Upgrades:** analysis, design and renewal of lighting, fire alarm, emergency generator, electrical distribution, data, and communications
- **Operations & Maintenance Support:** building condition assessments
- **New construction:** energy modeling and commissioning authority
- **Renovations:** design for reduced energy use and improved indoor environment

Supporting Organizations

- **Energy Planning:** strategic energy management plans, Energy Management Assessments (EMA), development of business cases for energy projects, and ISO 50001 certification support
- **Energy Manager:** comprehensive energy management services
- **Coaching:** support for energy managers to foster continuous improvement for energy management programs
- **Performance Tracking:** utility monitoring, targeting and reporting software (PUMA), new metering, and design of Energy Management Information Systems (EMIS)

Engaging People

- **Energy Management Training:** online and in person to inspire and build competency
- **Sustainability Engagement Programs:** concepts, delivery, results to help change behaviours
- **Green Building Certification:** champion support and facilitation for BOMA BEST and LEED



saving you energy

We operate in the following sectors:

- Commercial buildings, including retail and hospitality
- Institutional and government facilities
- Multi-unit residential buildings
- Industrial and agricultural operations

Over 20 Years of Supporting Strategic Energy Management in Alberta

- **Alberta Health:** Prism conducted **recommissioning** workshops that demonstrated the process, from selecting suitable sites, to investigation, implementation and sustaining energy savings. Subsequently, Prism completed a hands-on, interactive recommissioning process at Tofield Hospital and Fort McLeod Healthcare Centre.
- **Bentall Kennedy:** Prism undertook a large-scale lighting and mechanical systems **energy study** at Calgary's Palliser Square Complex. As a result, Prism outlined a number of measures that would reduce the electricity and fuel consumption by 10%, for an annual cost savings of nearly a quarter million dollars.
- **Canada Border Services Agency:** Prism carried out a detailed **energy audit** for Coutts Border Crossing as well as a thermography review of the building envelope. Prism's recommendations, including right-sizing boilers and redesigning the heating piping configuration, would substantially reduce the the high energy intensity of the building.
- **City of Airdrie:** Prism carried out **detailed energy audits** for five City of Airdrie buildings in 2015, where the energy intensity was higher than other, similar-use facilities. Prism recommended numerous measures that had the potential to improve energy efficiency between 10-14% annually for electricity and 9-14% for fuel.
- **City of Calgary:** Prism developed product specifications, identified buildings suitable for installation, and project managed the installation of **fault detection and diagnostic (FDD) technology**, which uses information from the existing building automation system to assess occupant comfort issues and energy saving opportunities caused by faulty equipment or sub-optimal equipment control.
- **Correctional Services Canada:** The Edmonton Maximum Security Institution's six main heating boilers and associated pumps were operating at less than 70% efficiency and needed to be upgraded with a new **optimized boiler system**. Prism supported the heating plant upgrade with an energy-efficient design for this massive, sprawling facility.
- **SilverBirch Grande Prairie:** Prism undertook a review of the hotel's chiller and were contacted to assist in the **chiller replacement** project as the technical representative during the design, contracting and construction stages. As part of the project, Prism prepared plans and specifications for modular chillers.
- **Natural Resources Canada:** For nearly 20 years, Prism has provided **energy management training** to property managers, maintenance personnel, building owners, building operators and other stakeholders across Western Canada through Natural Resources Canada's energy training programs. Over 1,600 participants from Alberta have attended workshops, including customized sessions for BP, Calgary Board of Education, Cargill Foods, City of Calgary, City of Edmonton, MapleLeaf Foods, Parmalot, and Productivity Alberta.



We are passionate about what we do.



saving you energy

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