

Upgraded version of Canada's energy management system



AI Overview

Canada's upgraded energy management system integrates modern EMIS, ISO 50001 standards, and federal programs to optimize energy efficiency and reduce emissions across industrial and public facilities. Energy Management Information Systems (EMIS) Canada has advanced its energy management capabilities through Energy Management Information Systems (EMIS), which provide real-time monitoring, performance tracking, and decision-making tools for organizations to manage energy use and costs effectively. EMIS converts energy and utility data into actionable insights, allowing facilities to compare performance against targets and implement continuous improvements. Industrial facilities can receive funding for EMIS installation, with support up to \$250,000 depending on energy consumption levels. Energy Services Acquisition Program (ESAP) The Energy Services Acquisition Program (ESAP) modernizes district energy systems in the National Capital Area, incorporating new combined heat and power plants, boilers, electric chillers, thermal storage, and heat pumps. ESAP has successfully reduced emissions by 52% since its baseline period and implements ISO 50001 energy management standards, ensuring continuous energy performance improvement over a 35-year operations period. The program leverages real-time data and operational input to optimize energy efficiency and reduce greenhouse gas emissions. Federal Energy Strategy and Demand-Side Solutions Canada's National Electricity Strategy emphasizes energy efficiency alongside grid expansion, highlighting demand-side solutions, retrofits, and integrated resource planning. The strategy supports programs like the Deep Retrofit Accelerator and Green Industrial Facilities initiatives, aiming to improve energy productivity, reduce costs, and modernize infrastructure. It also explores the use of...

Article Content

Canada takes action to advance a stronger grid and increase reliable ...

Intertie projects will make Canada's electricity system more reliable, affordable, and sovereign. The federal government is committed to partnering with provinces, territories, Indigenous

The National Electricity Strategy | Electricity Canada

On May 14, 2026 the electricity sector reached a big milestone in the formal announcement of the federal government's proposed National Electricity Strategy. This

Decarbonization pathways for Canada's federated energy system

This study presents a detailed scenario-based analysis using MESSAGEix-Canada, the country's first open-source, sub-national integrated assessment model.

Energy Management Systems | Standards Council of Canada

We are the only internationally recognized accreditation body in Canada offering Energy Management Systems accreditation, which is based on ISO 50003, the international standard for providing energy

Powering Canada Forward: Building a Clean, Affordable, and Reliable ...

Canada's electricity systems will be the backbone of Canada's net-zero economy, and that is why we are working with provinces, territories, Indigenous partners, and others to build them by 2035—a

Welcome to Channel Dive | Channel Dive

Welcome to Channel Dive. We're Informa TechTarget's new publication, focused on delivering daily news and analysis for executives at North

Canada Energy Regulator

The Canada Energy Regulator (CER) works for you to keep energy moving safely and efficiently through our country's pipelines and powerlines.

Guidelines for Energy Management

The Energy Director is not always an expert in energy and technical systems. Successful Energy Directors understand how energy management helps the organization achieve its financial and

Energy management information systems : planning

An Energy Management Information System (EMIS) is key element of performance management. It provides relevant information that makes energy performance

Powering Canada Strong: A National Strategy for an Electrified

Given the increasingly uncertain global environment, we must bolster reliable domestic energy supply to strengthen Canada's sovereignty and economic stability. We must also keep pace with Canada's

Canada Energy Management System Market (2025-2031) | Industry

The Canada Energy Management System Market is experiencing significant growth driven by increasing awareness about energy efficiency and sustainability practices. The market is characterized by the

Smart Home Energy Management: A Comprehensive

Conclusion Smart home energy management offers Canadians a powerful way to reduce energy costs, improve home comfort, and contribute to a more

COMMENTARY: Evolving Canada's Energy System: A Transition or ...

The path to transforming Canada's energy system is complex. Innovation, collaboration and practicality that leverages the strengths of Canada's existing infrastructure will be essential to

Get 50001 Ready Canada recognition with the Ready Navigator tool

Become an energy management leader The Navigator tool includes 25 tasks grouped into 7 categories that align with the ISO 50001 Energy management system standard. Once your facility has

Government of Canada Releases Vision to Build a Clean, Affordable

The Honourable Jonathan Wilkinson, Canada's Minister of Energy and Natural Resources, released Powering Canada Forward, the Government of Canada's vision for transforming Canada's

Energy management systems — Guidance for the implementation ...

This document gives practical guidelines and examples for establishing, implementing, maintaining and improving an energy management system (EnMS) in accordance with the

Building Canada's Future Electricity Grid

Smart Grid Infrastructure and Systems: dynamic line rating; digital substations; grid sensors and monitoring systems; advanced control systems (ADMS/DERMS). Grid-Edge and

Energy management systems — Guidelines for a phased

Project need: To align Canadian requirements with those of international standards in the energy management subject area (adoption of new standard) Note: The information provided above

Prime Minister Carney announces forthcoming National Electricity ...

To that end, Canada's new government is launching a new National Electricity Strategy. This plan will double the capacity of our grid by 2050 and supply clean, reliable, affordable power

CanadaCerts | ISO 50001 Certification Canada | IAF

ACS Canada provides ISO 50001 certification services for Canadian businesses through internationally recognized IAF-accredited certification bodies. ISO 50001

What Canada's new electricity strategy means for

Highlights from the federal government's electricity strategy and analysis of how it could integrate energy efficiency measures.

Powering Canada's Future—Canada's final Clean Electricity Regulations

Today, Minister Guilbeault presented Canada's finalized Clean Electricity Regulations, which are the result of almost three years of extensive consultations with provinces, territories,

Canada's new electricity strategy | BLG

Canada's electricity strategy targets doubling capacity by 2050, advancing electrification, grid modernization, and investment across provinces and energy systems.

Energy efficiency for buildings

Energy efficiency for buildings Integrated design, energy codes, building life cycle, commissioning, recommissioning, retrofitting.

Energy management for buildings

They include a strong focus on energy management and will give you the tools you need to improve your buildings' energy performance – and make your business more marketable. Financial

ISO 50001 International Energy Management Systems Standard

The ISO 50001 Energy Management System Standard (ISO 50001) is a business-friendly, international standard for planning, managing, measuring and continually improving energy performance in any

Contact Us

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