

What is Canada's energy future?

The Canada's Energy Future series explores how possible energy futures might unfold for Canadians over the long term. EF2023 focuses on the challenge of achieving net-zero greenhouse gas (GHG) emissions by 2050.

What does the Canada Energy Regulator do?

From transportation, to healthcare, to the clothes we wear; every product and service in our country requires energy. At the Canada Energy Regulator we collect, monitor, analyze, and publish fact-based information on energy markets and supply, sources of energy, and the safety and security of pipelines and international power lines.

What is the Canada Energy Regulator (CER)?

The Canada Energy Regulator (CER) works for you to keep energy moving safely and efficiently through our country's pipelines and powerlines. Learn about how we protect people and the environment, what we expect of companies and how we enforce the rules.

Why is Canada a good place to buy energy?

Canada is at the forefront of innovative technologies for how we produce and use energy. For example, low- or non-emitting forms of energy are growing in significance as part of our evolving electricity mix. In fact, wind and solar photovoltaic (PV) energy are the fastest-growing sources of electricity generation in Canada.

Which energy sources are the fastest growing in Canada?

In fact, wind and solar photovoltaic (PV) energy are the fastest-growing sources of electricity generation in Canada. In addition, technological advancements, such as co-generation, have resulted in an increase in energy-efficient practices and a reduction in greenhouse gas (GHG) emissions in areas such as the oil sands.

What is Canada's energy Fact Book?

Housed at Statistics Canada, the CCEI brings together Canada's existing energy information in one place, facilitating access to products like the Energy Fact Book. The amount of primary energy produced by Canada in 2022 is 40% more than in 2005. The world, on average, has increased energy production by 32% in the same period. 21%

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Learn more about key energy, economic, and environmental indicators in Canada in Section 1 of the Energy Fact Book including: Energy production and supply; Economic contributions; Energy and greenhouse gas (GHG) emissions; Key facts. In 2023, Canada's energy sector directly employed 285,600 people and indirectly supported over 411,400 jobs.

Despite total energy use declining, electricity demand grows 47% from 2021 to 2050 in the Evolving Policies Scenario, much of it from new areas such as electric vehicles and hydrogen production. Canada's electricity system also gets ...

The Energy Fact Book provides key information on energy markets in Canada in a format that is easy to consult, providing solid foundation for Canadians to understand and discuss important developments across the energy sector.

The Sankey diagram helps to identify key contributors to energy consumption by showing how primary energy source inputs (e.g. primary electricity and fossil fuels) are converted or exported and then subsequently distributed across end-use sectors (e.g. transportation, industry, residential, and commercial).

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Despite total energy use declining, electricity demand grows 47% from 2021 to 2050 in the Evolving Policies Scenario, much of it from new areas such as electric vehicles and hydrogen production. Canada's electricity system also gets greener, going from 82% low and non-emitting in 2021 to 95% in 2050.

Explore Canadian energy data, statistics and information, get market updates and view provincial and territorial energy profiles.

Canada's Energy Future 2023: Energy Supply and Demand Projections to 2050 (EF2023) is the latest long-term energy outlook from the Canada Energy Regulator (CER). The Canada's Energy Future series explores how possible energy futures might unfold for ...

The purpose of the Energy Fact Book is to provide key information on energy markets in Canada in a format that is easy to consult. Resources including a summary of units and conversion factors, abbreviations, and data sources

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