

Canada s five priority new energy storage





Overview

When did energy storage start in Canada?

The first energy storage project in Canada, the Sir Adam Beck Pump Generating Station, came online in 1957. However, the next project did not come online until 2013. There are three main types of energy storage currently commercially available in Canada:.

What types of energy storage are available in Canada?

There are three main types of energy storage currently commercially available in Canada: Storage is playing an increasingly important role in the electricity system by improving grid reliability and power quality, and by complementing variable renewable energy sources (VRES) like wind and solar.

What is the fastest growing energy storage technology in Canada?

BESS is the fastest growing energy storage technology in Canada and is also the dominant storage technology in terms of capacity and number of sites. All but four projects proposed to be commissioned by 2030 are battery storage, with two CAES and two PHS projects also proposed.

What is Canada's New Major Projects Office?

Prime Minister Mark Carney says his government's new Major Projects Office (MPO) will be headquartered in Calgary. Dawn Farrell, the chair of the board of directors of Trans Mountain Corporation, will be the CEO. The MPO will identify projects in Canada's national interest and help fast-track them.

What are Canada's new projects?

The projects include planned energy development, mining and port infrastructure projects from the West Coast to Central Canada. The government also released an expanded list of projects not quite ready for prime time that includes additional initiatives in Eastern Canada and the North.

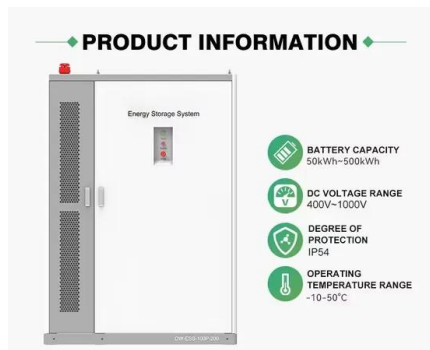


Why does Canada have a multi-tiered project list?

CBC News and Radio-Canada sources say the government's reason for having a multi-tiered list is in part because some projects are more advanced and ready to be approved by the major projects office. Politics!



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[Governments and First Nations Partners Announce Progress](#)

These initiatives strengthen Prince Edward Island's position as a leader in the clean energy economy by focusing on three key areas: Clean Electricity and Energy Storage - ...

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[Internal government list of 32 potential infrastructure projects](#)

A draft list of 32 major projects that could be candidates for fast-track approvals under the new Building Canada Act includes a pipeline that would bring Alberta oil through ...

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[Here are the first major projects on Ottawa's fast-track list](#)

The federal government kicked off a Canada-wide SMR action plan five years ago, billing the new technology as a safe, clean and affordable energy source.

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[five projects referred to a new Major Projects Office](#)

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[Canada's total wind, solar and storage installed capacity grew ...](#)

Canada's total wind, solar and storage installed capacity grew 46% in the past 5 years (2019-2024), including nearly 5 GW of new wind, 2 GW of new utility-scale solar, 600 ...

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[Carney Unveils Major Projects for Canada to Offset](#)

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[On the horizon: Several perspectives on Canada's ...](#)

Illustrative examples 1.1 (a). Clean, renewable energy and broad application of carbon capture, utilization, and storage are cornerstones of Canada's climate ...

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[Priority sectors , Canada Infrastructure Bank \(CIB\)](#)

Priority sectors We are investing in infrastructure to promote economic growth, connect communities and support energy security for the benefit of ...

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[Smart Renewables and Electrification Pathways ...](#)

The Smart Renewables and Electrification Pathways Program (SREPs), launched in 2021, is a \$4.5-billion program designed to support the deployment of grid ...

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[Unlocking Ontario's Sustainable Energy Future](#)

In response to ESC's report, Julia Souder, chief executive officer of the LDES Council, a global non-profit advancing research and deployment for long duration storage, ...

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[Here are Mark Carney's 'nation-building' projects](#)

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[Carney recommending 5 'nation-building projects' for approval](#)

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Energy Storage Outlook

Global installed energy storage is on a steep upward trajectory. From just under 0.5 terawatts (TW) in 2024, total capacity is expected to rise ninefold to over 4 TW by 2040, ...

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