



Canadian air energy storage project





Overview

When will cache power's compressed air energy storage project start?

The project has received all major regulatory approvals, with early construction to begin in Q4 2025. “EllisDon is proud to invest in and partner with Cache Power on Canada’s first commercial scale Compressed Air Energy Storage facility,” said Joey Comeau, Chief Operating Officer & Executive Vice President, Capital, EllisDon.

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 is compressed air energy storage (CAES)?

In Compressed Air Energy Storage (CAES), air is compressed and stored in underground structures like mines, aquifers, salt caverns or old oil reservoirs, or in aboveground pressure vessels. When electricity is needed, the air is released to power a turbine and generate electricity.

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.



Canadian air energy storage project



[Canadian firms NRStor and Hydrostor partner...](#)

Compressed air energy storage plants could be rolled out across Canada from energy storage project developer NRStor and ...

[Canadian Government Funds Advanced Compressed Air Storage ...](#)

Canada's energy sector is increasingly embracing energy storage technologies, with stakeholders recognizing their role in the transition to clean energy. The Canadian ...



[Canada's Biggest-Ever Clean-Energy Storage Plant Plans Charged ...](#)

Canada's largest clean-energy storage facility, a giant up-to-500MW system based on compressed-air technology, has taken a major stride forward following the award of C\$4m ...

[Market Snapshot: Energy storage in Canada may multiply by ...](#)

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 ...



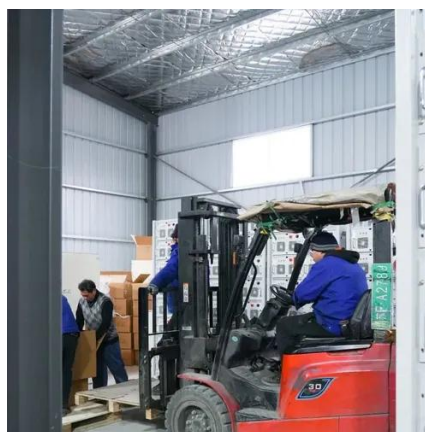
[Cache Power advances 30 GWh compressed air energy storage project ...](#)

Cache Power, a subsidiary of EPC firm Federation Group, is moving forward with its Marguerite Lake Compressed Air Energy Storage (CAES) and Hydrogen Hub Project near ...



[EllisDon Partners with Cache Power for Canada's First Compressed Air](#)

MISSISSUAGA, ON, December 02, 2025 -- EllisDon has partnered with Cache Power to deliver Canada's first commercial scale Compressed Air Energy Storage ("CAES") facility in Northeast ...



[Hydrostor Announces \\$200 Million in Funding for Advanced Compressed Air](#)

Hydrostor secured a \$200 million USD investment from Canada Growth Fund (CGF), Goldman Sachs Alternatives, and CPP Investments to advance its Advanced ...



[Market Snapshot: Energy storage in Canada ...](#)



BESS is the fastest growing energy storage technology in Canada and is also the dominant storage technology in terms of capacity ...



[EllisDon, Cache Power to build Canada's first compressed air storage](#)

CAES is meant to be a long duration solution for managing renewable, intermittent energy sources. The project has received all major regulatory approvals, with early ...

[Compressed air storage project rises from old ...](#)

Compressed air storage project rises from old mine A new method of storing renewable energy is set to be trialled in South Australia, ...



[Canada's Biggest-Ever Clean-Energy Storage ...](#)

Canada's largest clean-energy storage facility, a giant up-to-500MW system based on compressed-air technology, has taken a major ...

[EllisDon Partners with Cache Power for ...](#)



MISSISSUAGA, ON, December 02, 2025 -- EllisDon has partnered with Cache Power to deliver Canada's first commercial scale Compressed Air ...



Home

CAES: COMPRESSED AIR ENERGY STORAGE INNOVATION. PRESERVATION. GROWTH. Bedrock's Compressed Air Energy Storage ...

[Hydrostor - an Unreasonable company](#)

Hydrostor is a leader in Advanced Compressed Air Energy Storage (A-CAES), a technology uniquely suited to enable the ...



Projects

The Goderich Energy Storage Centre, located in Ontario, Canada is the world's first commercially contracted Advanced Compressed Air Energy ...

[EllisDon Partners with Cache Power for Canada's First](#)



Mississauga, ON, Dec. 02, 2025 (GLOBE NEWSWIRE) -- EllisDon has partnered with Cache Power to deliver Canada's first commercial scale Compressed Air Energy Storage ("CAES") ...

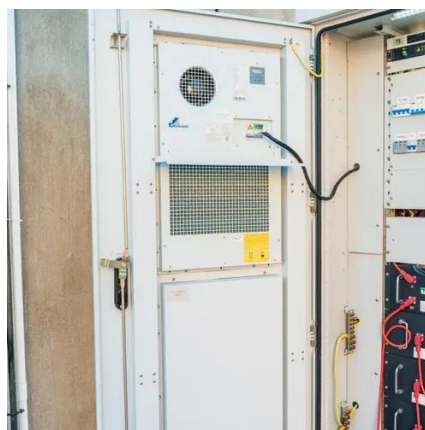


[Australia puts AU\\$45 million into advanced ...](#)

ARENA funding will support Hydrostor's advanced compressed air energy storage (A-CAES) project in New South Wales.

[Hydrostor nets \\$200M for its long-duration ...](#)

Canadian long-duration energy storage developer Hydrostor has secured \$200 million in funding from a range of investors to advance ...



[Cache Power builds 'Canada's first ...](#)

Compressed air energy storage (CAES) developer Cache Power is partnering with construction company EllisDon to deliver a CAES facility in Northeast Alberta, Canada.

[Quinte Energy Storage Centre](#)



The Quinte Energy Storage Centre is a 500 megawatt (MW) Advanced Compressed Air Energy Storage (A-CAES) facility that is under development in Ontario.



[Cache Power advances 30 GWh compressed ...](#)

Cache Power, a subsidiary of EPC firm Federation Group, is moving forward with its Marguerite Lake Compressed Air Energy Storage ...



[A snapshot of Canada's energy storage ...](#)

Justin Rangooni, executive director of trade association Energy Storage Canada (ESC) takes us through some of the key ...



[Canada's Cache Power advances 30 GWh compressed air storage project](#)

Cache Power has commissioned an engineering study for a 640 MW compressed air energy storage and hydrogen project in Alberta, supported by provincial funding.



[Hydrostor president on A-CAES tech. projects ...](#)



We catch up with the president of Canada-Hydrostor about the firm's advanced compressed air energy storage technology (A-CAES) ...



[Cache Power builds 'Canada's first' commercial-scale CAES ...](#)

Image: EllisDon Compressed air energy storage (CAES) developer Cache Power is partnering with construction company EllisDon to deliver a CAES facility in Northeast Alberta, ...



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