

Energy storage projects halted in Canada





Overview

What happened to battery energy storage projects in Canada?

According to local news outlets, three battery energy storage system (BESS) projects in Alberta, Canada and another in Staten Island, New York, have been dropped in January alone. Battery storage projects cancelled in parts of the US and Canada since the start of this year after opposition from local communities.

How many energy storage projects are there in Alberta?

While there are nearly 50 energy storage projects currently listed within the Alberta Electric System Operator (AESO)'s projects list, the development of a 600MW portfolio of five solar-plus-storage projects by Westbridge Renewable Energy Corp. is underway.

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 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.

Why is energy storage important?

Energy storage also offers some technical advantages, especially as more and more renewable energy has come online. One reason the Alberta government cited for its renewable-energy pause was the intermittent nature of wind and solar power, which has created concerns over grid reliability.



What is energy storage?

Energy storage is a relatively new concept when it comes to Alberta's electricity grid, but it's something we're all familiar in our day-to-day lives. Whether it's cellphones, laptops, or electric cars, we routinely charge up our devices when we're not using them so the electricity can be deployed when we want, later on.



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Alberta's budding energy-storage industry is set to bloom. The

Companies behind at least four Alberta projects that included both renewable generation and energy storage have hit the brakes on their plans, Dye told CBC News.

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Taiwanese firm halts plan to build \$1B battery plant in B.C. with

Adrian Dix, B.C.'s energy minister, said the province was disappointed to hear of the delay, which it understood to be due to a changing global lithium battery market.



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Market Snapshot: Energy storage in Canada may multiply by 2030

There are an additional 27 projects with regulatory approval proposed to come online by 2030, which--if all were to be built--could further boost Canada's energy storage ...

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\$1 billion expansion of B.C. lithium-ion battery factory on hold

The decision to pause the expansion of the Maple Ridge factory, which would have created 350 jobs, is the latest retreat from clean-energy ventures in B.C. and around the world

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Wind and solar projects in Alberta cancelled at an alarming rate

As new projects are proposed, the queue grows. As projects are built or cancelled, perhaps because an investor has lost interest or confidence in the market, the queue shrinks. ...

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