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Canadian power grid wind power and energy storage policy



Overview

What is Canada's energy storage capacity?

Canada's energy storage capacity grew 192% in the past 5 years (2019-2024). Canada's total wind, solar and storage installed capacity is now more than 24 GW, including over 18 GW of wind, more than 4 GW of utility-scale solar, 1+ GW on-site solar, and 330 MW energy storage. Canada now has 341 wind energy projects producing power across the country.

What is Canada doing to build a clean grid?

The Government of Canada is taking a comprehensive, practical, and collaborative approach to building a clean grid in a way that enables continued access to affordable, reliable electricity for all Canadians.

What is Canada's goal for offshore wind energy?

Canada has a goal of utilizing larger turbines of up to 5.2 MW of capacity and newer technologies which will reduce the site footprint and potential impacts. Nova Scotia has announced the auctioning of 5 GW of offshore wind energy by 2030, starting in 2025, with the intent to support green hydrogen production.

Why do we need a regulated electricity grid?

The Regulations limit harmful pollution while ensuring that grid operators have the flexibility to meet rising electricity demand as our population and economy grow.

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