

Solar power generation project in Canada



Overview

For a list of the country's commercial scale wind energy sites plus solar energy and energy storage projects over one MW in size, see CanREA's most recent table of project data:. For a list of the country's commercial scale wind energy sites plus solar energy and energy storage projects over one MW in size, see CanREA's most recent table of project data:. For a list of the country's commercial scale wind energy sites plus solar energy and energy storage projects over one MW in size, see CanREA's most recent table of project data: Canada's total wind, solar and storage installed capacity grew 46% in the past 5 years (2019-2024), including nearly 5 GW. Vulcan County in southern Alberta, known for its ubiquitous Star Trek displays in the town of Vulcan, now has another claim to fame – the largest solar power facility in Canada. The \$700 million Travers Solar Project, owned by an Axium Infrastructure managed fund, looks like a scene from the. The Travers Solar Project is the largest solar energy project in Canadian history. Located on approximately 3,300 acres of land eight kilometres southwest of the village of Lomond in Vulcan County, the project will include the installation of around 1.3 million solar photovoltaic modules and 153.

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Support Customized Product



Solar power in Canada

Recent research has shown that installing solar panels on just 1% of Canada's agricultural land could generate between a quarter and over a third of the country's total electricity needs.

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Travers Solar Project - ReNew Canada

At 465 MW, the project will generate enough power to supply more than 150,000 homes. Construction of the Travers Solar Project began in 2021 and the project continues to engage with landowners, the ...



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By the Numbers

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CER - Renewable Energy in Canada -

Canada

Wind projects lead the planned additions (7,833 MW), followed by solar (3,019 MW) and hydroelectricity (1,227 MW). Based on planned additions across all energy sources, the share of total renewable ...

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Canada and solar power

Most of the solar power generating potential in Canada is located in the south in Alberta, Saskatchewan, and Ontario. Canada has an overall maximum capacity factor of 6%, compared to 15% in the US.

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Canada Solar Power Incentive Finder (2026)

Looking for solar panels? Here's a list of federal, provincial, municipal and utility solar power incentives and grants in Canada.

[Learn More](#)



Latest Ongoing Solar Photovoltaic (PV) Projects in Canada (2025)

Search all the ongoing (work-in-progress) solar photovoltaic (PV) projects, bids, RFPs, ICBs, tenders, government contracts, and awards in Canada with

our comprehensive online database.

[Learn More](#)

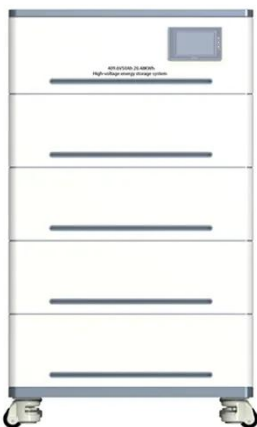


Canada's largest solar facility operating in the heart of oil country

Located 130 kilometres southeast of Calgary, Travers has capacity to produce up to 465 megawatts (MW) - enough electricity to power over 150,000 homes under optimal conditions. The ...



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Largest Solar Power Stations in Canada , Photovoltaic Parks in Canada

Get to know the projects' power generation capacities in MWp or MWAC, annual power output in GWh, state of location and exact location on the map, name of developer, year of connection to the electric ...

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Government of Canada Invests \$33 Million in Indigenous-Owned Solar

"The Government of Canada is proud to

partner with George Gordon First Nation and industry partners on this Indigenous-owned solar energy project. This will add more clean power to ...

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