



Pei Solar Power Generation





Overview

Prince Edward Island's decade-long energy roadmap aims to boost on-Island wind and solar generation, modernize transmission systems, and protect consumers from rising energy costs—while setting the province on track to achieve net-zero emissions by 2040. Prince Edward Island is one of the global leaders in the development of renewable energy. The six gauges presented below represent the total PEI electrical load, total on-Island generation (from wind, solar and fossil fuels), and an estimation of how much energy is used locally and how much is imported. Powering Canada's Future is the Government of Canada's strategy for clean electricity. It combines historic investments and balanced, fair regulations to lay out the path forward to build grids that will provide power that is reliable, affordable and clean and serve as the backbone of our economy. In 2021, PEI generated about 0.61 terawatt-hours (TWh) of electricity (Figure 1), which is 0.1% of total Canadian production. PEI has an estimated generating capacity of 441 megawatts (MW). Much of this capacity came from the rooftops of people's homes, but that has changed dramatically. Two large-scale solar farms, Summerside's Sunbank and the Slemon Park Microgrid, have come fully online since then, and PEI is suddenly producing. Did you know that Prince Edward Island (PEI) is an absolute renewable energy powerhouse?

Despite its size, Canada's smallest and least populated province has long established itself as a leader in wind energy and is a rising star in solar.



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Prince Edward Island's bold new 10-year energy strategy could end

Prince Edward Island's decade-long energy roadmap aims to boost on-Island wind and solar generation, modernize transmission systems, and protect consumers from rising energy costs--while ...

[State of PEI's renewable energy , PNI Atlantic News](#)

Currently, both the energy corporation and Summerside's utility are in the early stages of learning and utilizing solar energy along with utility-scale solar, MacLeod said. Additionally, the positive impact has ...



CER - Provincial and Territorial Energy Profiles - Prince Edward Island

PEI's largest wind farm is Engie's West Cape Wind Park with a capacity of 99 MW. PEI's latest large renewable electricity project is the 21 MW Sunbank solar farm and battery in Summerside, which was completed in ...

Solar Panels PEI

Prince Edward Island solar energy guide - incentives, costs, savings, and top installers for Prince Edward Island homeowners.



[P.E.I. sees 'exponential growth' in solar energy production](#)

Two large-scale solar farms, Summerside's Sunbank and the Slemon Park Microgrid, have come fully online since then, and P.E.I. is suddenly producing more than twice as much

Renewable Energy in Prince Edward Island: 10 Facts & Statistics

Below we review several of the latest available facts on renewable energy in Prince Edward Island taken from various reputable sources across the internet, so you don't have to.



CER - Provincial and Territorial Energy Profiles - Prince Edward Island

Energy Production
Energy Transportation and Trade
Energy Consumption and Greenhouse Gas (GHG) Emissions
Energy Authorities
Crude Oil
1. Prince Edward Island (PEI) does not have any commercial crude oil production.
2. Canada's first offshore well was drilled 12 kilometres (km) south of Charlottetown in Hillsborough Bay in 1943. The well was dry.
Refined Petroleum Products
1. There are no refineries in PEI.
See more on cer-



rec.gc.cacbc.ca

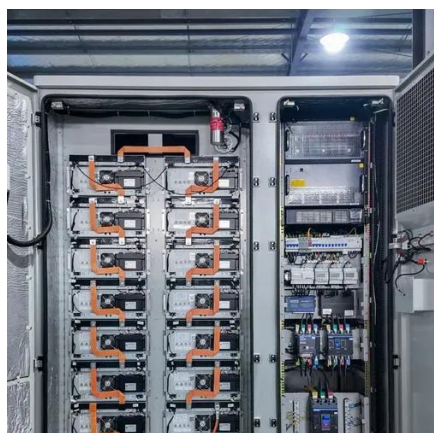
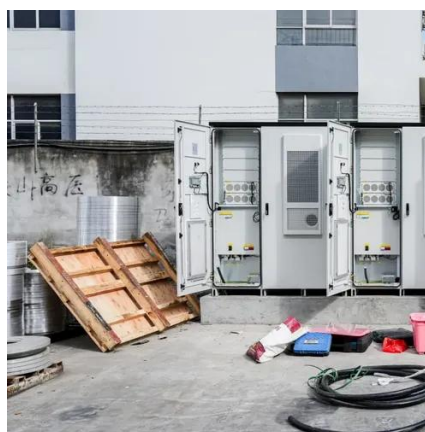
P.E.I. sees 'exponential growth' in solar energy production

See More

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[Prince Edward Island: Clean electricity snapshot](#)

PEI has taken strides by building renewable energy projects including solar farms and wind turbines. For many years now, PEI has been importing around 68% of its electricity from New Brunswick with 2 submarine ...



Renewable Energy Indicators

The six gauges presented below represent the total PEI electrical load, total on-Island generation (from wind, solar and fossil fuels), and an estimation of how much energy is used locally and how much is exported off ...

Clean Electricity Snapshot

In Summerside, Prince Edward Island the 21 MW Sunbank Solar Farm and storage facility can supply power to over 2,500 homes annually and reduce over 8,120 tonnes of greenhouse gas emissions, over 1,700 cars' ...





[Solar Panels Prince Edward Island \(PEI\) Guide 2025](#)



This guide is specifically for anyone in Prince Edward Island thinking about solar panels in 2025. We'll get into the real numbers, the actual programs available, and the pros and cons you need to consider.



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