

Prince Edward Island: Clean Electricity Snapshot 2022-2024



Prince Edward Island has taken strides by building renewable energy projects including solar farms and wind turbines. For many years now, Prince Edward Island has been importing around 68% of its electricity from New Brunswick with two submarine transmission cables. Now leading in wind power generation, Prince Edward Island continues to consider the next generation of renewable electricity developments, which will have economic and environmental benefits for Islanders.

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.

Federal Investments

As of November 2024, the Smart Renewables and Electrification Pathways Program (SREPs) has approved funding of over \$21.7 million for three projects in Prince Edward Island.

- Around \$1.8 million SREP funding towards Na'ku'set Park Capacity Building Project with Maritime Electric Company, Limited.
- \$874,000 SREP funding towards Maritime Electric Company, Limited with Abegweit First Nation.

In October 2024, the [Government of Canada announced its support for clean technology innovation and energy](#) in First Nations communities in Atlantic Canada.

Emissions and Electricity Generation

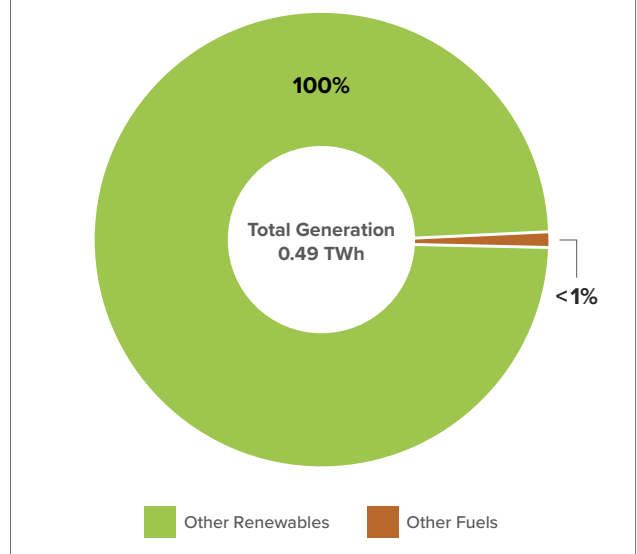
According to the [National Inventory Report](#), in 2022, around 100% of Prince Edward Island's electricity was generated from renewable resources including wind, and solar. Less than 1% was generated from other fuel, such as diesel.

Wind Power

The [West Cape Wind Farm](#) is Prince Edward Island's largest wind farm, producing a total of 99 megawatts (MW) of electricity and powering around 25,000 homes annually.

The [East Point Wind Farm](#) has 10 turbines with a capacity of 3 MW each that can generate around 90 gigawatt (GW) hours annually and is capable of powering 11,000 homes per year. The wind farm can also prevent 70,000 tonnes of pollution from entering the atmosphere every year, which is equivalent to removing 15,000 cars off the road.

Prince Edward Island's Electricity Generation in 2022



Solar Power

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' emissions.

Ameresco developed the [Slemon Park Microgrid](#) co-located with a 10 MW solar facility and energy storage, which is projected to offset approximately 4,500 tonnes of carbon dioxide equivalent per year over its useful life.

Economic Opportunities

In addition to cleaner air and lower greenhouse gas emissions, a clean electricity grid can stimulate investment in innovation, provide economic opportunities, and create good jobs.

New Jobs

Electrification and the transition to cleaner forms of electricity generation is expected to create good jobs across Canada. For instance, independent experts from [Clean Energy Canada](#) forecast that the Atlantic provinces will see thousands of clean energy jobs added in the Atlantic region between 2025 and 2050.

The [Sunbank Solar Farm](#) brought in 210 full-time jobs to Summerside, a town of around 16,000. Workers can use their knowledge and experience for other clean energy projects in Prince Edward Island and abroad.

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