

# What energy stations are there in Canada





## Overview

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Canada is home to a wide variety of power stations (or generating stations). The lists below outline power stations of significance by type, or by the province/territory in which they reside.

The following pages lists the power stations in Canada by type: • Non-renewable energy • .

The following pages lists the power stations in Canada by or : •

How many nuclear power stations are there in Canada?

There are 17 operable nuclear reactors at four nuclear power stations in Canada. Nuclear power accounted for approximately 14% of Canada's electricity generation in 2021. The Bruce Nuclear Generating Station is the world's largest operating nuclear power facility, based on its eight reactors, which generate 6,288 MWe.

What is the biggest solar power station in Canada?

Top biggest solar photovoltaic power stations in Canada. (Updated September 2024) A photovoltaic power station under construction in Vulcan County, Alberta. When completed in late 2022, it will become the largest photovoltaic power station in Canada.

How many power plants are in Canada?

Canada has 1,147 utility-scale power plants in operation, with a total capacity of 142749.0 MW. This data is a derivative set of data gathered by source mentioned below. Global Energy Observatory/Google/KTH Royal Institute of Technology in Stockholm/Enipedia/World Resources Institute/database.earth.

What is the largest power generating facility in Canada?

As of 2023 the largest power generating facility is the Bruce Nuclear Generating Station in Ontario and has an installed capacity of 6,610 MW. List of the electrical generating facilities in Canada with a current installed capacity of at least 250 MW. ^ To be uprated with a target capacity of 7,000



MW by mid-2033.

What are the different types of power plants in Canada?

2. Types of Power Plants in Canada Hydropower Plants: Hydropower is the backbone of Canada's electricity generation, especially in provinces like Quebec, British Columbia, and Manitoba, which have abundant water resources. Key Plants: James Bay Project (Quebec): One of the largest hydropower systems in the world, located in northern Quebec.

What are some examples of biomass power plants in Canada?

Chapleau Biomass Plant (Ontario): A biomass power plant utilizing forestry waste. Skookumchuck Pulp Mill Biomass Plant (British Columbia): A significant biomass energy producer. Coal Power Plants: While Canada is phasing out coal-fired power plants, some still operate in Alberta and Saskatchewan.



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### [Nuclear energy in Canada: Past, present and future](#)

2 days ago· The Gentilly-2 Nuclear Generating Station in Bécancour, Quebec, ceased operation in 2012, leaving four stations still generating electricity in Canada today: the Point Lepreau ...

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