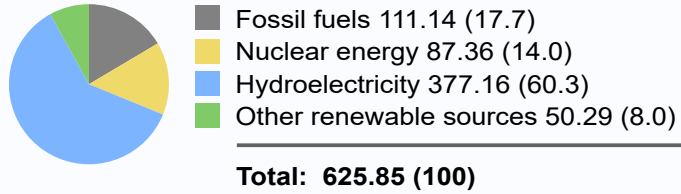


Canada • Electricity • Nuclear and Hydro

Gross electricity generation 2021, TWh (%):



Source: Based on the U.S. Energy Information Administration data (Sep 2023).

Hydro power plants over 1200 MW, MW:

- 1 Robert-Bourassa (La Grande-2), 5616
- 2 Churchill Falls, 5428
- 3 La Grande-4, 2779
- 4 W.A.C. Bennet (G.M. Shrum), 2730
- 5 Manic-5/5-PA (Daniel-Johnson), 2660
- 6 Revelstoke, 2480
- 7 La Grande-3, 2418
- 8 Outardes Complex 2-3-4, 2334
- 9 La Grande-2A, 2106
- 10 Bersimis Complex I-II, 2047
- 11 Sir Adam Beck Complex I-II, 1997
- 12 Beauharnois, 1853
- 13 Mica, 1805
- 14 Limestone, 1340
- 15 Manic-3 (Rene-Levesque), 1244
- 16 Kettle, 1220

Major uranium mines:

- 1 Rabbit Lake (Eagle Point)
- 2 Cigar Lake
- 3 McArthur River

Nuclear power plants, MW:

- 1 Bruce A-B, 6232
- 2 Darlington, 3512
- 3 Pickering A-B, 3094
- 4 Point Lepreau, 660

In 2019 Canada had 146.9 GW of electricity installed generating capacity. Gross theoretical hydropower capability, related to Canada, is 757.6 TWh/year. As of 2019, Canada registered more than 150 existing small hydropower plants up to 50 MW with total installed capacity of 3400 MW. High density by power capacity of existing small hydropower plants located in Newfoundland and Labrador provinces, but by amount in Ontario province.

Sources: U.S. Energy Information Administration (2020); World Small Hydropower Development Report 2019; Used by permission of the World Energy Council (2013).



- 765/735 kV line in service
- 500 kV line in service
- National grid 765/735 kV other power plants, grid connection points, substations
- National grid 500 kV other power plants, grid connection points, substations
- Border crossing

Pumped-storage plants over 100 MW, MW:

- 1 Sir Adam Beck, 174

