

Canada's Power Capacity

There are numerous types of power generation used to supply Canadians with electricity. The following table provides a breakdown of the most significant sources across the country with an approximation of their respective generation capacities in megawatts. As the table shows, hydro accounts for the bulk of the country's electricity source, with Quebec the primary generator. Of the three provinces with nuclear generation, Ontario is by a wide margin the largest generator. Other notable features of the chart show that the use of wind power is one of the most common sources of electricity nationally but almost never is it a primary source. PEI's wind resource is the province's largest generator, however, 80% of the energy on the grid is cabled in from New Brunswick. Although solar energy is also widespread, its application is most commonly for non-electricity active direct applications like heating and is yet to be a significant grid contributor. The table also shows Canada's only tidal facility (Nova Scotia), a growing biomass sector, and the prominence of traditional fossil fuel sources.