

Wind energy in Canada



Canada is a global leader in wind energy

13,413 MW total installed wind energy capacity in Canada...
enough to power approximately
3.4 million homes



301

Wind farms
across Canada

6,771

Number of turbines
in Canada

16%

10 year average annual
growth rate of wind
energy in Canada



70%

Rate of decline of
wind energy costs
since 2009
(Lazard 13.0)

**GROWTH
IN 2019**



597 MW

new installed capacity

5 total new

wind energy projects

over \$1 billion

investment in new
wind energy

2 new projects

with Indigenous and
local ownership stakes



Wind energy across Canada



Ontario

Largest wind market in Canada

- Current number of projects: 94
- 5,436 MW installed capacity
- 360 MW new in 2019
- 2,681 wind turbines

Quebec

Second largest wind market in Canada

- Current number of projects: 47
- 3,882 MW installed capacity
- 1,990 wind turbines

Alberta

Third largest market in Canada

- Current number of projects: 38
- 1,685 MW installed capacity
- 202 MW new in 2019
- 957 wind turbines

Atlantic

Nova Scotia

- Current number of projects: 78
- 616 MW installed capacity
- 309 wind turbines

New Brunswick

- Current number of projects: 6
- 314 MW installed capacity
- 119 wind turbines

Prince Edward Island

- Current number of projects: 10
- 204 MW installed capacity
- 104 wind turbines

Newfoundland and Labrador

- Current number of projects: 4
- 55 MW installed capacity
- 27 wind turbines

British Columbia

- Current number of projects: 9
- 713 MW installed capacity
- 15 MW new in 2019
- 292 wind turbines

Manitoba

- Current number of projects: 4
- 258 MW installed capacity
- 133 wind turbines

Saskatchewan

- Current number of projects: 8
- 241 MW installed capacity
- 20 MW new in 2019
- 153 wind turbines

Northwest Territories

- Current number of projects: 1
- 9 MW installed capacity
- 4 wind turbines

Yukon

- Current number of projects: 2
- 0.8 MW installed capacity
- 2 wind turbines

Sources: CanWEA December 2019 unless otherwise noted