

# Wind energy in Canada



Canada is a global leader in wind energy

**12,796 MW** total installed wind energy capacity in Canada\* ...  
enough to power over

**3.8 million homes** **9<sup>th</sup>** in the world

That's 6% of Canada's electricity demand!

for installed capacity



\* as of August 2018



## #1 new source of electricity: WIND ENERGY

Largest source of new electricity generation in Canada for over a decade

**297**

Wind farms  
across Canada

**6,590**

Number of grid-  
connected turbines  
in Canada

**15%**

5 year annual growth  
rate of wind energy in  
Canada (1,159 MW/year)



**67%**

Rate of decline of  
wind energy costs  
since 2009

## GROWTH IN 2018



**546 MW**

new installed capacity

**4 total new**

wind energy projects

**\$962 million**

investment in new  
wind energy

**2 new projects**

with Aboriginal Peoples,  
municipal or local ownership



## Wind energy across Canada

### Ontario

#### LARGEST WIND MARKET IN CANADA

- 5,076 MW installed capacity (Aug. 2018)
- 175 MW new in 2018
- 2,577 wind turbines
- Approximately 7.5% of electricity demand

### Quebec

#### SECOND LARGEST WIND MARKET IN CANADA

- 3,882 MW installed capacity (Aug. 2018)
- 1,990 wind turbines
- 371 MW new in 2018

### Alberta

#### THIRD LARGEST WIND MARKET IN CANADA

- 1,483 MW installed capacity (Aug. 2018)
- 901 wind turbines
- Approximately 8% of electricity demand

### Atlantic

#### Nova Scotia

- 616 MW installed capacity (Aug. 2018)
- Approximately 9% of electricity demand

#### New Brunswick

- 294 MW installed capacity (Aug. 2018)
- Approximately 6% of electricity demand

#### Prince Edward Island

- 204 MW installed capacity (Aug. 2018)
- Over 29% of electricity demand

#### Newfoundland and Labrador

- 55 MW installed capacity (Aug. 2018)
- Approximately 2% of electricity demand

### British Columbia

- 698 MW installed capacity (Aug. 2018)
- 288 wind turbines
- Approximately 2% of electricity demand

### Manitoba

- 258 MW installed capacity (Aug. 2018)
- Approximately 4% of electricity demand

### Saskatchewan

- 221 MW installed capacity (Aug. 2018)
- Approximately 3% of electricity demand

### Northwest Territories

- 9.2 MW installed capacity (Aug. 2017)
- Approximately 4% of electricity demand

### Yukon

- 0.8 MW installed capacity (Aug. 2017)
- Approximately 0.1% of electricity demand