

Powering Generations

The Wolfe Island Wind Farm, consisting of 86, 2.3 MW wind turbines, achieved commercial operation in June 2009. With a nameplate capacity of 198 MW, it is presently the second largest wind farm in Canada.



Participating landowners receive supplementary income from having wind turbines installed on their land, helping keep the lands in agricultural production. The community as a whole benefits from the facility's operation through its tax payments and an Amenities Agreement signed with the Township of Frontenac Islands for community betterment projects and services.

The 20-year Renewable Energy Supply II Contract with the Ontario Power Authority creates long-term pricing stability for consumers. Generating energy from wind produces no air pollution or greenhouse gases (which contribute to climate change), leaves behind no hazardous or toxic wastes, and uses no water.

Technical Specifications

No. of Turbines	86
Turbine Manufacturer	Siemens
Turbine Model	SWT-2.3-93 (Mark II)
Tower Type	Tube
Height	80m hub height
Nameplate Capacity	197.8 MW
Est. Avg. Annual Energy	594,000 MWh

About TransAlta



Reliably, affordably, safely and responsibly, TransAlta is helping meet the growing appetite for electrical power while minimizing the environmental impact of doing so. We're Canada's largest publicly traded generator and marketer of electricity and renewable power. We're investing in new ways to further cut emissions and we're regularly recognized for our sustainable approach to business, the environment and the communities we serve.

Beginning as a small, local power company in 1909, we have transformed over the last century to become an experienced and well respected power generator and wholesale marketer of electricity.

With wind energy facilities from Alberta to New Brunswick, we are the country's largest producer of wind power, operating over a third of Canada's installed wind capacity.



Wolfe Island Wind Farm.



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