

Growth in Québec.

New Richmond Wind Facility.

New Richmond is TransAlta's newest wind facility located in the wind-rich Gaspésie area of Québec, renowned for its scenery and outdoor activities. The project has been developed near the municipalities of New Richmond, St. Alphonse and Caplan in the Baie-des-Chaleurs.

Development of wind energy is an important economic engine for the province, for Gaspésie and the Regional County Municipality of Matane and Bonaventure. The New Richmond project is a good fit with Québec's sustainable development goals. Since 2009, TransAlta has been working with the local community, province and federal government to bring the New Richmond facility online.

New Richmond At a Glance.

Facts & Figures

- Location: New Richmond, QC
- Capacity: 68 MW*
- Collector network: underground
- Owner & Operator: 100%
- Revenue Source: 20yr. LTC
- Manufacturer: Enercon
- Number of Turbines: 33
- Number of blades: 3
- Rotor diameter: 82m
- Hub height: 98m

The Enercon E82 turbines used in New Richmond were partially constructed in Germany and partially constructed in Québec. The 98m tower of this turbine is made of 18 concrete sections manufactured in Matane and 2 steel sections, built in New Richmond. The nacelles (cover housing the generating components such as the generator and drive train) and blades were shipped from Germany to the port of Matane. Some of the nacelle's electrical components were also made in the Matane area.

New Richmond's Enercon 82 wind turbines start to turn when wind speed reaches 9km/h. As soon as wind speed exceeds 100km/h, a brake is applied to the shaft to prevent damage.

Eighteen turbines are located in New Richmond, 14 in St. Alphonse and one in Caplan; twelve are on public land and 21 turbines are on private land.

Project timeline.

May 2008 - 2009

Completed wind and Environmental Impact Assessments

2010

Public Hearing, permitting, and development

April 2011

Final approvals and construction begins

2012

Collector system and turbine installation

2013

Commissioning March

Investment and Community Benefits.

The New Richmond project generated over 250 jobs during development and construction, including employment of many local contractors. Ongoing it will provide additional long-term local employment and economic benefits created through land leases, agreements made with the three municipalities involved and TransAlta's contributions to the communities.

The new facility will provide renewable energy to approximately 11,000 Québec homes. All of the power generated is under a 20 year (long-term) contract with Hydro-Québec Distribution and supports local utility needs, ensuring citizens have access to reliable renewable electricity.

View the New Richmond Wind Facility construction photo gallery at www.transalta.com/new-richmond.

*megawatts rounded to the nearest whole number

Growth in Wind.

TransAlta™

Growth in Renewables.

TransAlta has been in operation for over 100 years. Our beginnings as a power company started in hydroelectricity with the construction of the Horseshoe Falls Hydroelectric Plant in 1909. Our growth follows the growth of a country and the story of electricity.

Over the years we've been steadily transforming our portfolio from mostly coal operations, to include gas, wind, hydro and geothermal, in operations in Canada, the U.S. and Australia. Renewable energy now makes up one quarter of TransAlta's portfolio, from operations across Canada and in the U.S.

As the largest publicly traded owner and operator of renewable energy in Canada, we are committed to renewable development.

Pioneer in Wind.

We have been operating wind facilities since 1996, first investing in and then acquiring VisionQuest Windelectric. At the end of 2012, TransAlta became the first company to own and operate more than 1,000MW of installed wind capacity in Canada, almost one-fifth of the country's total.

As a pioneer in wind development we have celebrated many firsts:

- First wind facility in Alberta – Cowley Ridge
- First wind project in New Brunswick – Kent Hills
- First wind farm in Québec – Le Nordais
- First site de-commissioned in North America – Taylor
- First non-U.S. site to qualify for California renewable energy credits (RECs) – Blue Trail

TransAlta Wind Facilities.



Western Canada

Our wind fleet now includes 16 facilities with operations in Alberta, Ontario, Québec and New Brunswick, and we operate two of the longest running wind facilities in Canada – Cowley Ridge in Alberta and Le Nordais in Québec.

TransAlta Wind At a Glance.

Operating Data

- Total wind capacity: 1,223MW*
- Number of turbines in fleet: 854
- Number of wind facilities: 16

Wind is a safe, reliable and sustainable source of energy and an important part of Canada's diversified energy mix. Technological advances have improved wind energy's competitiveness with other sources of power, and from an emissions perspective, as a provider of low-carbon electricity wind is one of the best.

For more information, please visit www.transalta.com.

*megawatts rounded to the nearest whole number



Eastern Canada