

TransAlta's Brazeau Hydro Hybridization Project

TransAlta Corporation ("TransAlta") owns and operates the Brazeau Hydro Facility ("Brazeau") in Brazeau County, AB. TransAlta is proposing to augment the existing facility by adding a battery energy storage system ("BESS") to each of its two existing hydro generators. The BESS systems are anticipated to be approximately 10-megawatts ("MW") each.

The Brazeau Hydro Hybridization Project ("the Project") is located at TransAlta's Brazeau Facility in Brazeau County, about 21 kilometers southwest of the Hamlet of Lodgepole, AB. The proposed BESS enclosures will be approximately 6.1 m x 2.44 m, and approximately 2.9 m high, and will be situated adjacent to the existing AltaLink 62s substation on previously disturbed lands.



Who is TransAlta?

TransAlta is a publicly traded power generator, owning and operating a diverse fleet of assets across Canada, the United States and Western Australia. Our portfolio includes hydro, wind, solar, BESS and natural gas. In 1965 the Brazeau Reservoir was constructed, including a dam, spillway and powerhouse. The facility is connected to Alberta's electrical grid via AltaLink's Brazeau Substation.



Schedule

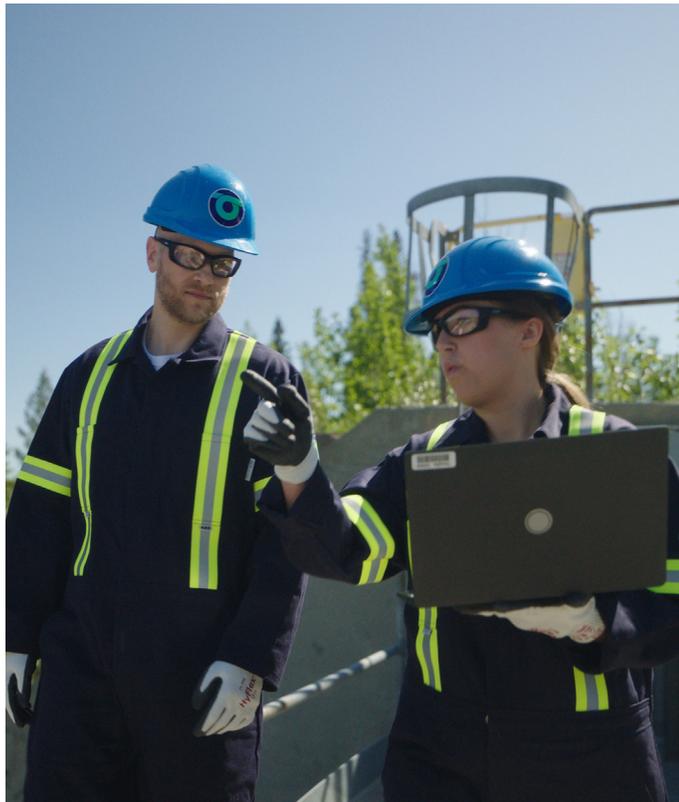
TransAlta plans to submit an application for the Project to the Alberta Utilities Commission ("AUC") by January 2026. The AUC Rule 007 Facility Application will include an Environmental Evaluation, a Noise Impact Assessment compliant with AUC Rule 12, and an outline of the Stakeholder Engagement program conducted for the application.

If the regulatory applications are approved, construction is expected to start in June 2026 and continue through September 2027, with the start of commercial operations planned later in 2027.



Battery Energy Storage Systems

Battery Energy Storage Systems (BESS) consist of battery cells grouped together into modules. Battery modules are housed in containers or enclosures similar in size to a shipping container. The batteries are projected to have a lifespan of 20 to 25 years. At the end of their useful life, the batteries will be disposed of or recycled according to environmental regulations and the manufacturer's recycling programs. TransAlta's WindCharger Project was the first utility-scale BESS project developed in Alberta and has been in operation since 2020.



Environment, Noise and Safety

As part of the AUC 007 application, TransAlta has conducted a comprehensive environmental survey that confirmed there are no wildlife features requiring setbacks or additional mitigation measures and we anticipate no significant visual impact from the Project.

TransAlta will submit an AUC Rule 012 Noise Impact Assessment to evaluate potential sound impacts, air emissions modelling, and a project-specific Emergency Response Plan that is currently under development.

Material will be made available on our Project website as development continues.

Next Steps

Prior to filing an AUC application, TransAlta is seeking feedback on the Project from Indigenous communities and local stakeholders. As part of our consultation and engagement plan, we are planning a public information session.

Info Session Details

Date: Thursday, October 2, 2025

Time: 3:00 – 7:00 PM

Location: Lodgepole Hall

Address: 4501 52 Avenue, Lodgepole, AB

TransAlta will continue to engage with Indigenous communities and local stakeholders throughout the development of the Project. More Project details will be shared as the project advances.

Learn More

For more information about TransAlta or the Brazeau Hydro Hybridization Project:

Phone: 1-877-547-3365, Extension 1

Email: brazeau@transalta.com

Website: www.transalta.com/brazeau-hybridization-project

