

Upper Toba Expansion British Columbia

UPPER TOBA - HYDROELECTRIC EXPANSION

- ✓ Location: Jimmie Creek & Upper Toba River
 - In close vicinity to the existing Toba Montrose facility
- ✓ Capacity & Production
 - 124 MW generating 316 GWh annually
- Project ownership
 - 50 % Alterra Power Corp
 - 50 % GE Energy Financial Services
- Permitting
 - Environmental Assessment Certificate granted and Water Licence pending
- Timeline:
 - Begin Construction 1Q 2013 E
 - On line 2Q 2015 E
- Power Purchase Agreement
 - In place with BC Hydro

The Upper Toba Valley project will expand Alterra's facilities in the Toba Valley, approximately 80 km north northeast of Powell River on BC's Sunshine Coast. The sites will be accessed through the existing road network and the powerhouse sites will connect to the existing Toba Montrose 230 kV transmission line, which runs 155 km to Saltery Bay, approximately 30 km south of Powell River.

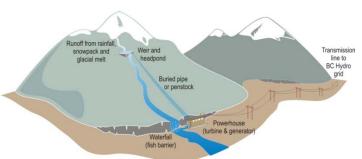
The preliminary engineering and cost estimation for the project is planned for completion by the end of 2011.

Fort St John British Columbia Prince George Upper Toba Vancouver



What is Run-of-River?

Unlike traditional hydroelectric facilities, which flood large areas of land, run-of-river projects divert a portion of the flow from a river into a pipe called a penstock. The penstock transmits the water downhill to a generating station. The natural force of gravity creates the energy required to spin the turbines that in turn, generate electricity. The water leaves the generating station and is returned to the river.





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