

This fact sheet provides preliminary information about the anticipated scope, procurement process and timing for the hydro-mechanical equipment contract associated with the generating station and spillways component of the Site C project.

GENERATING STATION AND SPILLWAYS

The generating station and spillways component of the Site C project will be procured through multiple contracts, including the civil works contract, various equipment supply contracts, a powerhouse bridge crane contract, and a completion (balance of plant) contract. For further information on these contracts, please visit the [Site C project website](#).

Below is a summary of the scope and procurement process for the hydro-mechanical equipment contract.

HYDRO-MECHANICAL EQUIPMENT CONTRACT

It is anticipated that the hydro-mechanical equipment will include:

- Design and supply of the following equipment:
 - Three wire-rope operated spillway gates (radial gates, each 16.5 metres wide by 14 metres high);
 - Six hydraulically-operated submerged low-level outlet gates (vertical lift gates, each 6.5 metres wide by 9.5 metres high);
 - Two submerged low-level outlet guard/maintenance gates (vertical lift gates, each 6.5 metres wide by 10 metres high);
 - Six hydraulically-operated intake gates (vertical lift gates, each 9 metres wide by 11.6 metres high);
 - One intake maintenance gate (10 metres wide by 11.6 metres high);
 - Four sets of draft tube maintenance stoplogs (each opening 10.5 metres wide by 9.9 metres high);
 - The hydraulic and wire hoists required for lifting the operating gates;



Artist's rendering of the dam, generating station and spillways

- Lifting beams for lifting the low level outlet operating and maintenance gates, the intake operating and maintenance gates, spillway stoplogs and the draft tube maintenance gates;
- One portable hydraulic power unit with portable hydraulic hoist for lifting the submerged low-level outlet guard/maintenance gate; and
- Gate guide anchors and embedded parts.
- Monitoring the installation of all supplied equipment, with an option for the contractor to perform the installation of some of the supplied equipment;
- Undertaking any remaining assembly activities to make the supplied equipment fully functional; and
- Commissioning all supplied equipment.

Note: Dimensions and capacities provided above are approximate. Gate width and height are the clear opening dimensions.

As part of the design of the gates, model testing will be required to demonstrate the achievement of specified hydraulic characteristics of the low-level outlet gates, low-level maintenance gate and intake operating gates.

It is anticipated that this contract will be a fixed price, predominantly design-build contract with milestone payments.

PROCUREMENT PROCESS

The hydro-mechanical equipment contract will be procured through a two-stage procurement process, with a qualifications stage followed by a proposals stage.

To stay informed, sign up to the [Site C Business Directory](#) to receive email updates about procurement opportunities and register with [BC Bid](#), as BC Hydro will issue procurement documents to this site.

Stage	Anticipated Timing
Issue RFQ	October 18, 2016
Issue RFP	February 6, 2017
Contract award	March 2018

The Site C Clean Energy Project is a hydroelectric dam and generating station under construction in northeast B.C. Once built, Site C will provide clean, reliable and cost-effective electricity for more than 100 years.