

*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;
- 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	Timing
Issue RFQ	October 18, 2016
Issue RFP	February 6, 2017
Contract award	Fall 2017

*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.*