

## Site C Construction Schedule: November 27 – December 10, 2021



The remaining four (of six) Site C turbine runners arrived from São Paulo, Brazil, at the Port of Prince Rupert on November 19, 2021. Specialized vessels were used to bring the runners from the ship into port. The runners will be transported to the dam site in the coming months using large commercial vehicles. See more project photos in the [image gallery](#).

### News and highlights

- Helicopters will be transporting timber between Cache Creek and Peace Canyon as part of Site C reservoir clearing work. [Learn more](#).
- BC Hydro has resumed debris burning in Site C project areas, pending suitable venting and ground conditions. [Learn more](#).

## COVID-19 update

- Information about the number of active COVID-19 cases, the number of people in isolation, and the overall number of cases at Site C continues to be updated on our website [here](#).

## Dam site area – north bank and south bank

- Excavation of the approach channel, drilling and grouting, and underground works on the north and south drainage features are underway. Placement of earthfill dam shell material continues.
- Powerhouse, spillway, and dam and core buttress construction continues. This includes concrete placements at the powerhouse, intakes and spillways. Installation of penstock segments and cladding of the steel super-structure for the powerhouse also continue.
- Installation of steel piles continues as part of the [right bank foundation enhancements](#). The piles extend the foundation further into the bedrock.
- Turbine and generator components and materials continue to be delivered to site for storage and installation. Installation of the turbine-embedded components for all six units is underway, and pre-assembly of larger components is ongoing in the main service bay of the powerhouse. The remaining four turbine runners are scheduled to be delivered to site in early 2022.
- Work continues on the Site C transmission line right-of-way above the substation to install drainage improvements.
- Caution should be exercised at the shoreline upstream of the dam site area due to the headpond. Water levels could increase or decrease rapidly without warning. Learn more about headpond formation: [sitecproject.com/diversion](http://sitecproject.com/diversion).

## Hudson's Hope shoreline protection berm

- The [construction of a 2.6-kilometre-long berm](#) to protect the shoreline of Hudson's Hope is in progress. Work includes placing berm fill, berm filter and riprap to bring the berm up to the design elevation. Riprap will be hauled to site from Portage Mountain Quarry.
- Excavation, crushing and stockpiling of aggregate within the berm site will occur.
- The berm is expected to be complete by summer 2022.
- Water quality monitoring has been installed in the Peace River and a swift water rescue team is operating in the river during the work. Boaters are asked to obey signage and stay clear of the work area for safety reasons.
- BC Hydro continues to work with the Ministry of Transportation and Infrastructure regarding the road maintenance of Canyon Drive.

## Portage Mountain Quarry

- Processing and stockpiling of riprap will continue.
- Rock hauling will continue from the Portage Mountain Quarry and stockpile areas to the berm worksite and to work areas along Highway 29.

## Highway 29 realignments

- [Visit our website](#) for Highway 29 schedules, maps and construction updates.



Steel girder installation is complete on the Lynx Creek bridge. See more project photos in the [image gallery](#).

### *Cache Creek East (596-metre-long bridge and six-kilometre-long highway realignment)*

- Construction of the highway grade has wrapped up for the season and will restart next spring.
- Construction of bridge foundation concrete piers will be completed.
- Steel bridge girders will continue to be delivered and assembled on site.
- A large crane will be delivered and assembled on site to be used for steel girder installation. The installation of steel girders on bridge foundations may begin.

### *Halfway River (1.05-kilometre-long bridge and a three-kilometre-long highway realignment)*

- Construction is paused for the winter and will resume next spring.

### *Farrell Creek East (3.5-kilometre-long highway realignment)*

- Traffic has been moved onto the new highway alignment.
- Construction is paused for the winter and will resume next spring.

### *Farrell Creek (417-metre-long bridge and 1.9-kilometre-long highway realignment)*

- Construction of the highway realignment and tie-ins is wrapping up for the season.
- Steel girders will be delivered and stored on the site. Steel girder installation may begin.
- Single lane alternating traffic will be required periodically.

### *Dry Creek (158-metre-long bridge and 1.5-kilometre-long highway realignment)*

- Concrete bridge parapet construction will occur, including installation of formwork and rebar. Concrete will be poured in multiple lifts, and may require 24/7 operation.

## *Lynx Creek (152-metre-long bridge and 8.5-kilometre-long highway realignment)*

- Highway construction continues, including removal of unsuitable material, placement of geotextile fabric, and placement of aggregate materials extracted from Gates Island and borrow sources within the work site.
- The delivery of pre-cast concrete deck panels and storage on site may occur.
- A traffic detour at the east end of the work site has been completed and will be in place until 2022. Periodic traffic stoppages will occur to allow off-highway haul trucks to cross the highway.
- Clearing and mulching of trees and vegetation adjacent to Highway 29 will occur.

## **Reservoir area**

- Road construction and logging activities are occurring between Cache Creek and Peace Canyon on the north and south banks of the Peace River and on its islands. Boats and helicopters are being used to support clearing activities. Merchantable timber is being hauled to local mills in Chetwynd, Fort St John and/or Dawson Creek.
- Helicopters will be transporting timber between Cache Creek and Peace Canyon as part of Site C reservoir clearing work being conducted from now until late March 2022. [Learn more.](#)
- Burning and processing of waste wood will continue this month. Burning will only occur when venting and ground conditions are suitable.
- Access road improvements and foundation construction will occur in the Halfway River region for the rerouting of the existing transmission line that crosses the Halfway River, which will be impacted by the new reservoir.
- Field investigations may occur.

## **Transmission works**

- Conductor stringing will restart as the transmission line contractor mobilizes to the dam site.
- Surveying, foundation painting, site clean-up and restoration activities will continue.

## **Regulatory Notices**

- BC Hydro has submitted to Transport Canada a request to amend *Canadian Navigable Waters Act* Approval 2020-501704 for the Hudson's Hope Shoreline Protection Berm to include a potential water intake structure. The berm is being constructed on the north side of the Peace River at Hudson's Hope, downstream of the Peace Canyon Dam. In-stream works associated with the water intake will occur in the Peace River and are scheduled to begin in December.

## **WHAT TO EXPECT**

Work will take place during the day, night, and on the weekend, until the project is completed. During this time, residents can expect:

### **Boating**

- The Peace River near the dam site is permanently closed to boater traffic. Being on or near the water around the Site C construction area presents a serious safety risk to river users. Boaters are urged to stay away from the area and observe and obey all signage and beacons.

## Traffic – please use caution and obey safety signage

- **Old Fort Road:** Near Gate B to the dam site, drivers may encounter loose gravel and increased commercial traffic. Due to equipment delivery, there may be [occasional short road closures](#) along Old Fort Road.
- **Highway 29:** Construction-related equipment will travel along Highway 29 and Highway 97. Drivers on the road are reminded to travel at a safe distance behind construction vehicles particularly near the Highway 29 road realignment sections. Learn more at [drivebc.ca](#).
- **Other areas:** Trucks with heavy loads will be accessing the dam site and other project areas, using public and resource roads.

## Equipment, noise, vibration and visibility

- Heavy machinery will be in the transmission line corridor. Please stay clear of the work areas.
- Helicopters and commercial drones may be used to support investigative and construction works.
- Some noise and vibration may occur near the dam site and work areas, including the quarries.
- There may be smoke and lower visibility in areas where wood debris burning is occurring.

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