

## Site C Construction Schedule: October 16 – October 29, 2021



A view of the dam core trench, dam buttress, powerhouse, spillways, and the operational substation in the background. The white cladding material on the dam buttress is insulation that protects the concrete and allows it to cure through the winter. See more project photos in the [image gallery](#).

### News and highlights

- Northern Health has declared an end to the COVID-19 outbreak, originally declared on August 16, among workers at Site C. [Learn more](#).
- BC Hydro will require proof of COVID-19 vaccination from all employees and contractors working at a BC Hydro work site or facility across the province. [Learn more](#).
- The [latest employment statistics](#) show there were 5,087 total workers on Site C in August 2021.
- BC Hydro has awarded the \$128 million Site C balance of plant contract for electrical work to F&M Installations Ltd. [Learn more](#).

- BC Hydro asks hunting enthusiasts not to hunt or discharge firearms near Site C project areas as a safety precaution. [Learn more.](#)
- Applications for funding to develop rustic recreation sites along the Peace River are being accepted until October 31. [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 dam core material in the completed core trench continues.
- Powerhouse and spillway construction continues. This includes concrete placements at the powerhouse, intakes and spillway, installation of penstock segments, and cladding of the steel super-structure for the powerhouse.
- Installation of steel piles has commenced as part of the [right bank foundation enhancements](#). The piles extend the foundation further into the bedrock.
- The turbines and generators contractor continues to deliver components and materials to site for storage and installation. The contractor continues to install the turbine-embedded components for all six units, 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. The unit 1 turbine spiral case is scheduled to begin concrete embedment and pressure testing on October 23.
- Work may occur on the Site C transmission line right-of-way above the substation to install drainage and foundation 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 and rip-rap to bring the berm up to the design elevation. Riprap is being hauled to the berm site from West Pine Quarry.
- The berm is expected to be complete by summer 2022.
- Crews have finished addressing the Hudson's Hope slough area and made it safe for work to resume on building the berm below. For more information, [read the notification letter](#).
- 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 will continue to work with the Ministry of Transportation and Infrastructure regarding the road maintenance of Canyon Drive.

## Portage Mountain Quarry

- Processing and stockpiling of rip-rap 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.

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

- Construction of the highway grade is ongoing, including the removal of unsuitable material, ditching, and hauling and placement of aggregate.
- Installation of bridge foundations continues, including concrete bridge piers and bridge abutments.
- 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.

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

- The installation of the bridge drains is in progress.
- The contractor will demobilize from site until next spring.

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

- Hauling of paving aggregate and paving on the new highway alignment will occur.
- Line painting on the new alignment will occur as weather permits. Traffic will be moved onto the new highway alignment.

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

- Concrete bridge pier foundation construction continues, including the installation of rebar, formwork and pouring of concrete.
- Construction of the highway alignment and tie-ins will continue.
- Aggregates may be hauled from commercial quarries near Hudson's Hope and placed on the highway alignment.
- Steel girders may be delivered and stored on the site. Steel girder installation may begin.
- Single lane alternating traffic will be required periodically.
- Clearing of remaining trees upstream of the site, within the Farrell Creek drainage, is in progress.

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

- Current activities include the installation of formwork and rebar on the bridge in preparation for the construction of the concrete bridge deck.
- Concrete bridge deck pouring may occur. 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 aggregates hauled from Gates Island and borrow sources within the work site.
- Overburden removal and gravel extraction at Gates Island will continue to support embankment construction.
- The delivery of steel bridge girders and installation on the concrete foundations will continue.
- 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.
- Burning and processing of waste wood to meet engineering specifications may resume in Site C project areas this month. Burning will only occur when venting and ground conditions are suitable.
- Field investigations may occur.

## Transmission works

- Conductor stringing continues on the transmission line right-of-way. Work includes setting up material storage yards, installing hardware onto transmission towers, and conductor stringing, and will involve the use of helicopters.
- Surveying, foundation painting, site clean-up and restoration activities will continue.

## 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.
- Boaters are urged to exercise caution on the lower reaches of the Halfway River, as construction activities may have changed the river channel. [Learn more](#).

### 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](http://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 and vibration

- 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.

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