

SUMMER 2015

CONSTRUCTION OF THE SITE C CLEAN ENERGY PROJECT

Construction of the Site C project will start in summer 2015 and be completed in 2024.

Throughout construction, BC Hydro is committed to providing you with information about Site C construction activities in a timely manner. This includes providing advance notice of specific construction activities, potential impacts and the anticipated duration of work.

This publication provides a snapshot of Site C construction activities and schedule. It also describes the tools and principles guiding our construction communications program.

There are many ways to learn more about Site C construction activities, including:

- Visit us on the web and sign up to receive construction updates at: sitecproject.com
- Follow us on Twitter: [@sitecproject](https://twitter.com/sitecproject)
- Call our construction information telephone line at: 1 877 217 0777
- Email us at: sitec@bchydro.com
- Visit our Community Consultation Offices in Fort St. John or Hudson's Hope

OUR PRINCIPLES FOR SITE C CONSTRUCTION

1. We will uphold a **safety-first culture** for the people working on the Site C project and for people living and travelling near our construction sites.
2. We will strive to **minimize construction-related impacts** to residents, businesses, communities and Aboriginal groups in the Site C project area.
3. We will **inform and notify** Peace region residents, businesses, communities and Aboriginal groups about Site C construction activities and schedule.
4. We will foster a **two-way dialogue** between BC Hydro and Peace region residents, businesses, communities and Aboriginal groups to ensure we are aware of local interests, issues and concerns.
5. We will **promote business and job opportunities** to local, regional and Aboriginal communities during Site C construction.

ABOUT SITE C

BC Hydro's Site C Clean Energy Project will be a third dam and hydroelectric generating station on the Peace River in northeast B.C., about seven kilometres southwest of Fort St. John.

Site C will provide 1,100 megawatts of capacity, and produce about 5,100 gigawatt hours of electricity each year — enough energy to power the equivalent of about 450,000 homes per year in B.C.

Site C is being built to help meet long-term electricity needs in B.C., which are forecast to increase by 40 per cent over the next 20 years.

Once built, Site C will be a source of clean, reliable and cost-effective electricity in B.C. for more than 100 years.

Roads & Highways

- Upgrades to 240, 269, 271 and Old Fort roads
- Realignment of six segments of Highway 29

Anticipated Timeline: 2015–2016 (upgrades); 2017–2021 (Highway 29 realignments)

Hudson's Hope Shoreline Protection

- Upgrades to DA Thomas Road
- Construction of a berm along the shoreline
- Re-paving of Clarke Avenue, if required.

Anticipated Timeline: 2018–2021

Peace River / Reservoir Area

- Public Safety Buoys installed 3.0 km upstream and 3.5 km downstream of the dam site
- Clearing activities, river diversion and reservoir filling

Anticipated Timeline: Late 2015 (Public Safety Buoys); 2015–2021 (clearing); 2019–2023 (river diversion); 2022–2023 (reservoir filling and operations)

Dam Site Area

- Site-preparation activities: clearing trees and vegetation, building access roads, constructing a temporary bridge, worker camp and viewpoint, and on-site excavations.
- Construction activities: cofferdams and diversion tunnels, RCC buttress, earthfill dam, generating station, spillways and substation

Anticipated Timeline: 2015–2016 (site preparation); 2016–2024 (project construction)

Transmission Lines

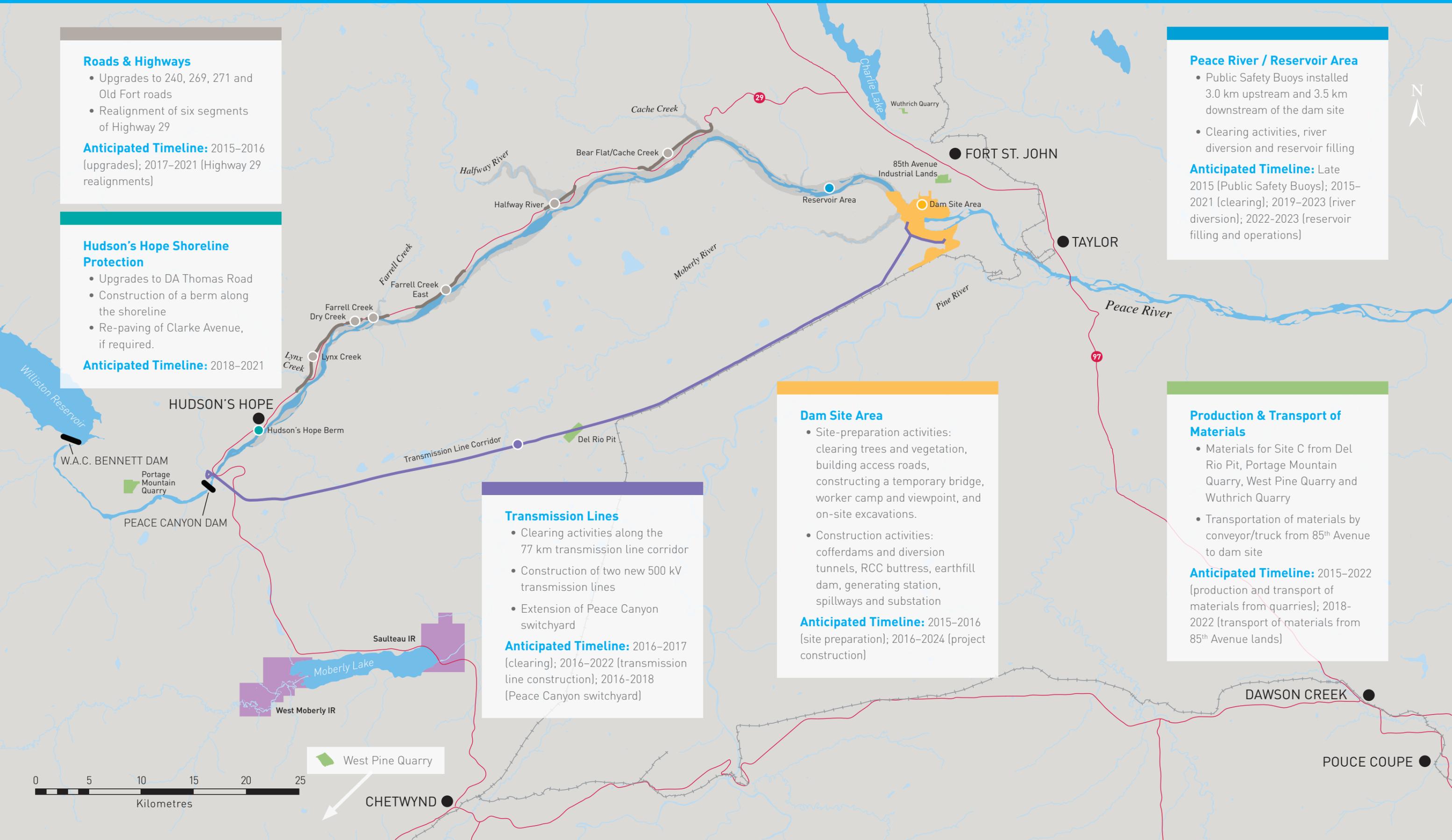
- Clearing activities along the 77 km transmission line corridor
- Construction of two new 500 kV transmission lines
- Extension of Peace Canyon switchyard

Anticipated Timeline: 2016–2017 (clearing); 2016–2022 (transmission line construction); 2016–2018 (Peace Canyon switchyard)

Production & Transport of Materials

- Materials for Site C from Del Rio Pit, Portage Mountain Quarry, West Pine Quarry and Wuthrich Quarry
- Transportation of materials by conveyor/truck from 85th Avenue to dam site

Anticipated Timeline: 2015–2022 (production and transport of materials from quarries); 2018–2022 (transport of materials from 85th Avenue lands)



West Pine Quarry

PRELIMINARY CONSTRUCTION SCHEDULE

Construction Activity	2015				2016				2017				2018				2019				2020				2021				2022				2023				2024			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Dam Site Area	2015				2016				2017				2018				2019				2020				2021				2022				2023				2024			
Clearing: dam site																																								
Access roads near dam site																																								
Worker accommodation																																								
Temporary construction bridge																																								
Excavation and material relocation																																								
Cofferdams and diversion tunnels																																								
Earthfill dam																																								
Roller-compacted-concrete buttress																																								
Generating station and spillways																																								
Turbines and generators (installation)																																								
Sub-station																																								
Viewpoints construction/landscaping																																								
Demobilization and site reclamation																																								
Roads and Highways	2015				2016				2017				2018				2019				2020				2021				2022				2023				2024			
Public road improvements																																								
240 Road																																								
269 Road																																								
271 Road																																								
Old Fort Road																																								
Highway 29 realignment																																								
Bear Flat/Cache Creek																																								
Halfway River																																								
Dry Creek																																								
Farrell Creek																																								
Farrell Creek East																																								
Lynx Creek																																								
Peace River / Reservoir Area	2015				2016				2017				2018				2019				2020				2021				2022				2023				2024			
Public Safety Buoys																																								
Clearing: east end of reservoir																																								
Clearing: lower reservoir to Cache Creek																																								
Clearing: Cache Creek to Halfway River																																								
Clearing: Halfway River to Hudson's Hope																																								
River diversion																																								
Reservoir filling and operations																																								
Transmission Lines	2015				2016				2017				2018				2019				2020				2021				2022				2023				2024			
Transmission line construction																																								
Extension of Peace Canyon switchyard																																								
Hudson's Hope Shoreline Protection	2015				2016				2017				2018				2019				2020				2021				2022				2023				2024			
DA Thomas Road upgrades																																								
Hudson's Hope Berm																																								
Production & Transport of Materials	2015				2016				2017				2018				2019				2020				2021				2022				2023				2024			
85 th Avenue Industrial Lands																																								
Del Rio Pit																																								
Portage Mountain Quarry																																								
West Pine Quarry																																								
Wuthrich Quarry																																								

The construction schedule is indicative only and subject to change. The purpose of the schedule is to illustrate the general sequence of construction activities, but the dates and schedule may change.

July 2015

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