



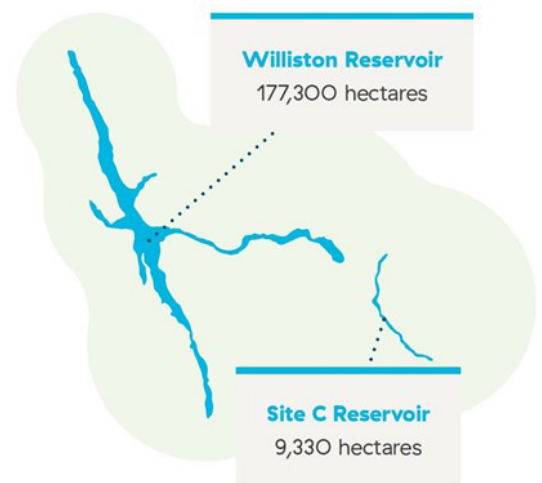
# Filling the Site C Reservoir

November 2023

One of the last milestones in building the Site C dam is to fill the reservoir. Filling the reservoir allows us to put the generating station, spillways, turbines and generators into operation, creating enough energy to power the equivalent of about 450,000 homes, or 1.7 million electric vehicles.

## The reservoir will widen the Peace River by three times

- Covers 5,550 hectares of land, with a total surface area of about 9,330 hectares
- Depth will vary – 52 metres close to the dam, 36 metres at Halfway River, and 18 metres near Hudson’s Hope
- 83 kilometres long and, on average, two to three times the width of the current Peace River (Moberly River, Halfway River and Cache Creek will also widen)
- Will generate approximately 35 per cent of the energy produced at the W.A.C. Bennett Dam, with just five per cent of the reservoir area
- Uses water already stored in and released from the Williston Reservoir



## Reservoir filling planned for 2024

**The timeline for reservoir filling will depend on construction progress, regulatory approvals, provincial authorizations, and environmental compliance. It also will consider weather-related constraints that could affect upstream operations of the Peace River system.**

The following steps have been completed to allow for the start of reservoir filling in 2024 at the earliest possible opportunity, either in late summer or early fall:

- Highway 29 realignments complete and open to traffic
- Reservoir cleared of vegetation and final sweeps
- Dam built and fit for service
- Ongoing Indigenous engagement
- Diversion tunnel converted

### Did you know?

- Once the reservoir is ready to fill, it will take approximately four months for the water to reach its full depth.
- The reservoir will fill at a varying rate of 0.3 metres to 3 metres per day.

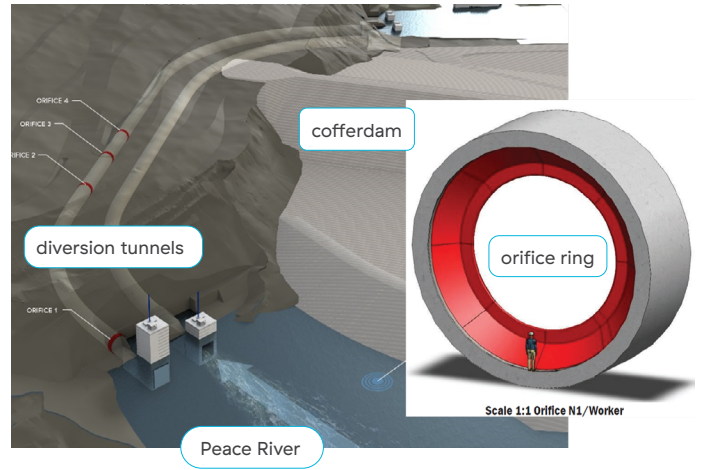
## Closing the diversion tunnels

Tunnel conversion, a key step in preparing for reservoir filling, is complete.

Since 2020, two tunnels have been [diverting the Peace River](#) around the dam site to allow us to build the earthfill dam. In summer 2023, we completed tunnel conversion. We installed large rings inside one of the tunnels to slowly restrict the flow of water during the initial phase of reservoir filling.

It was essential for tunnel conversion to take place between July and September due to environmental, operational, and weather-related constraints as well as construction progress.

Reservoir filling will begin in 2024.



## CURRENT SCHEDULE



## Boater safety and reservoir access

The access road to the existing boat launch at Halfway River will open at the start of the boating season in spring 2024. It will remain open until we begin reservoir filling in late summer / early fall 2024.

We're building new boat launches at D.A. Thomas Road, Lynx Creek, and Halfway River.

We'll monitor the area for slope stability, erosion, and debris management. The new boat launches will remain closed for at least a year after the reservoir is filled, until it has been deemed safe.



## How will the reservoir be filled?

Using your mobile device, scan the QR codes below to learn more on filling the Site C reservoir.



WATCH VIDEO:  
[Filling the Site C reservoir](#)



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# Site C Reservoir

