

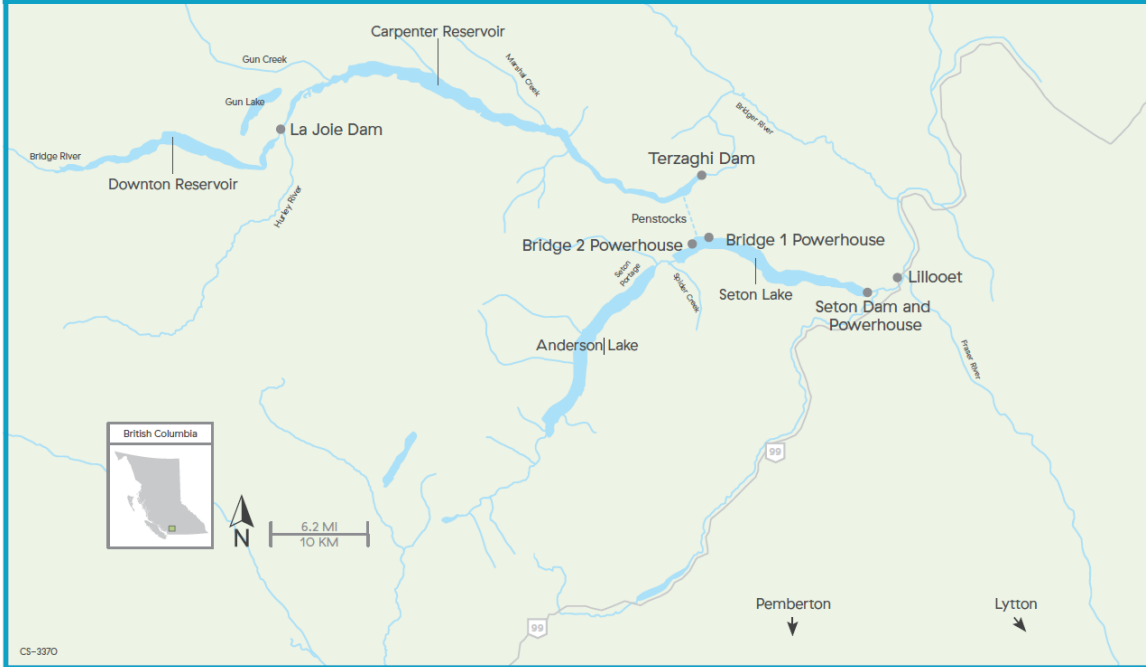
# Seton Unit Replacement and Bypass Project

July 2023

# Agenda

- Bridge River System Overview
- Project Overview
- Current Activities
- Project Timeline
- Access & Accommodation Studies Update
- Workforce Forecast - Lillooet
- First Nations Consultation
- Communications

# Bridge River System



# Overview of Seton Generating Station with Bypass Alignment



# Seton Bypass Project Overview

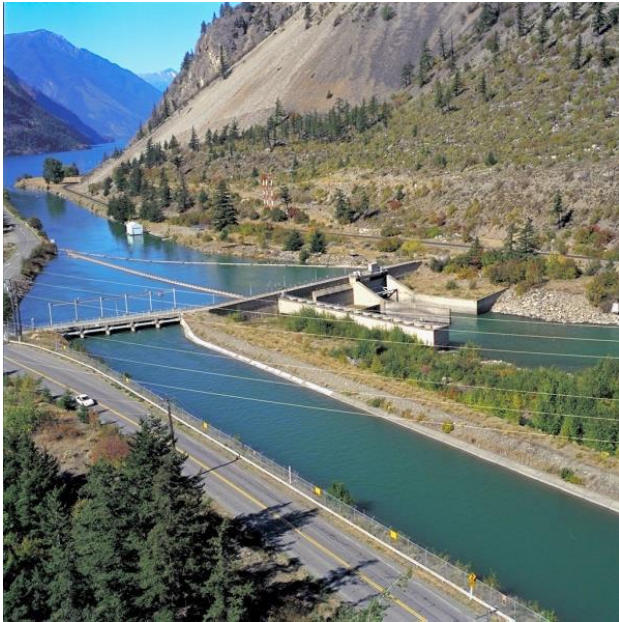


*Aerial view of the Seton penstock and generating station*

## Early planning stages continue

- A bypass will provide long-term benefits for water conveyance in the Bridge River system
- Project planning is currently underway
- Project is subject to BC Utilities Commission (BCUC) approval
- Targeted completion for the bypass is 2027

# The Importance of Seton in the System



*Aerial view of Seton Canal and Seton Dam*

The Seton Dam and Generating Station are at the downstream end of the Bridge River system playing a critical role in water conveyance.

This includes:

- Providing operational flexibility for water management
- Maintaining controlled flow for the Seton and Lower Bridge Rivers
- Maintaining electrical power into the grid

# Why do we need a Bypass?



Above: Seton Dam. Below: Seton Powerhouse

There are two possible ways to release water from Seton Lake.

- Through the Dam via Seton River
- Through the canal and powerhouse.

The anticipated 12-month construction period to replace the generating unit requires no flow through the powerhouse.

**Diverting all water down the Seton River for 12 months would result in:**

- Very high flows
- Environmental impacts
- Risk of Erosion

# Overview Seton Generating Station



*The Seton generating unit dismantled during annual maintenance.*

- The generator and turbine are nearing end of life:
  - Generator was installed in 1956; the turbine was replaced in 1977
- Unit replacement work will take place within the powerhouse.
- Schedule is under review



# Current Activities

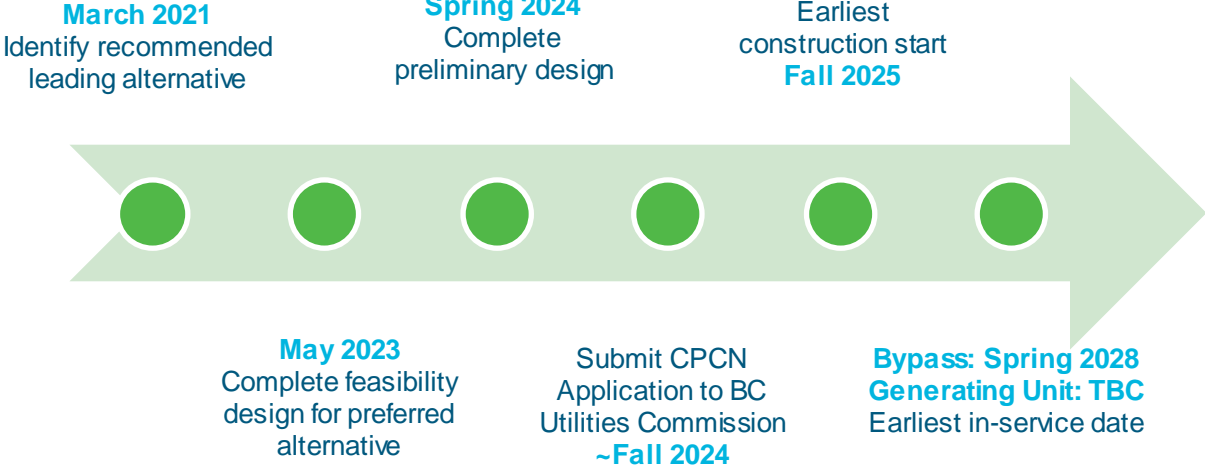


*Crews drilling near the tie-in of the bypass and canal (Sept. 2021)*

## Happening this fall:

- Site investigations including geo-technical drilling along bypass route.
  - Traffic control will be in place for work along Roshard Road.
  - Work expected to last two weeks.
  - Drilling to take place after peak wildfire season (mid-September).
- Field assessments for laydown areas.
  - Soil sampling and archeological assessments.
  - Work expected to last 2 weeks

# Project Timeline



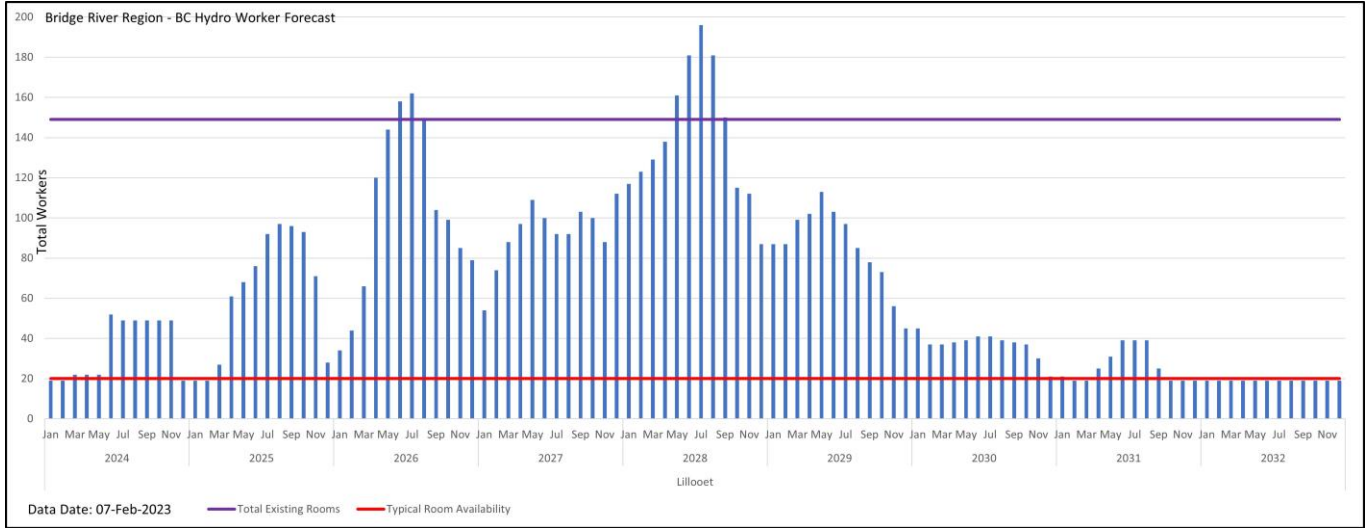
# Access and Accommodation Studies



In the Bridge River region, we're studying:

- Transportation
  - Access
  - Worker accommodation
  - Socio-economic impacts and business opportunities
- 
- This is an important opportunity for local communities, organizations, businesses and the public to better understand how BC Hydro operates in the region and find collaborative solutions
- 
- Expected study completion is 2024

# Workforce Forecast - Lillooet



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# First Nations - Consultation



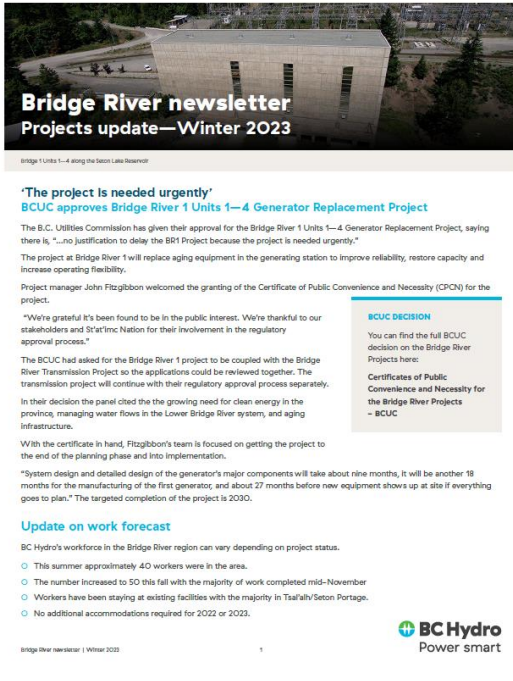
*Field work for the Bridge River Transmission Project*

The Bridge River system is located entirely in St'át'imc Nation Territory.

In 2011, St'át'imc, BC Hydro and the Province signed an historic agreement that addressed past impacts and provides a framework for creating a new, more positive, relationship into the future.

As projects move forward, we're collaborating at various levels to better understand and integrate St'át'imc perspectives and interests into our planning, and to work together to identify meaningful economic and employment opportunities across projects.

# Communications



## We will continue to communicate project work through:

- Local ads
- Open Houses
- Bi-annual newsletter
- Delegations to local governments
- [www.bchydro.com/bridgeriver](http://www.bchydro.com/bridgeriver)
- Email [projects@bchydro.com](mailto:projects@bchydro.com)
- Phone: 1-866-647-3334

# Questions?