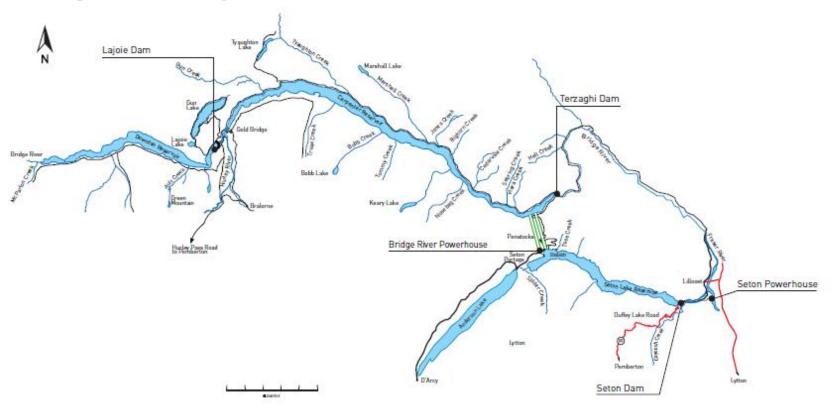


Overview

Bridge River System





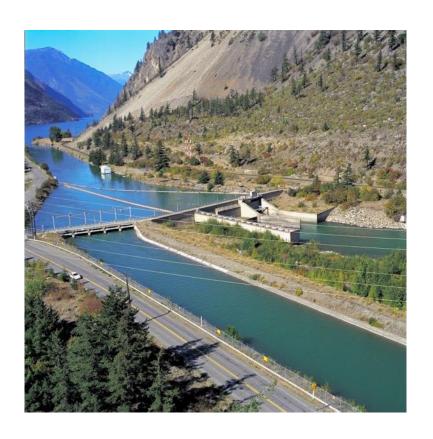
Seton Unit Replacement Project Overview

- Early planning stages continue for the Seton Unit Replacement project.
- The generator and turbine are nearing the end of their life.
 - Generator was installed in 1956
 - Turbine was replaced in 1977
- Replacement is required to ensure the facility continues to operate safely and reliably
 - New generator and turbine
 - Possible hydraulic bypass





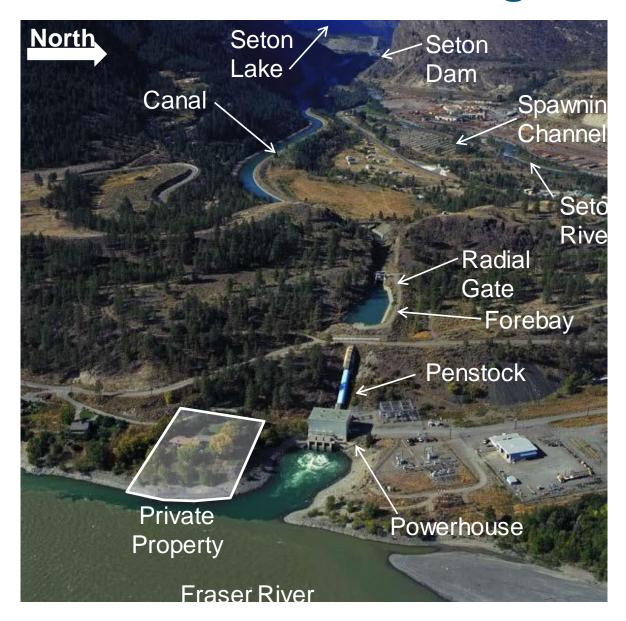
Why is this project important?



- The Seton Dam and Generating Station are at the downstream end of the Bridge River system and plays a major role for water conveyance in the system. It:
 - Provides operational flexibility for water management
 - Maintains controlled flow for the Seton and Lower Bridge Rivers
 - Maintains electrical power into the grid

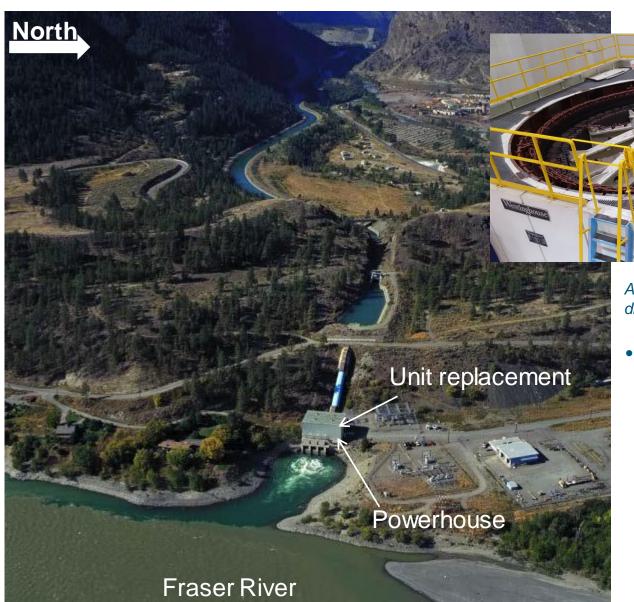


Overview of Seton Generating Station





Overview of Seton Generating Station

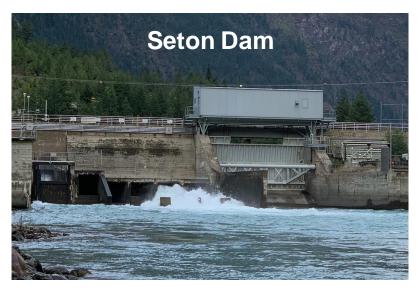


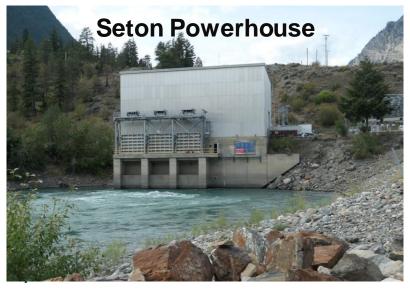
Above: The Seton generating unit is dismantled for annual maintenance.

 Unit replacement work will take place within the powerhouse.



Why do we need a Bypass?

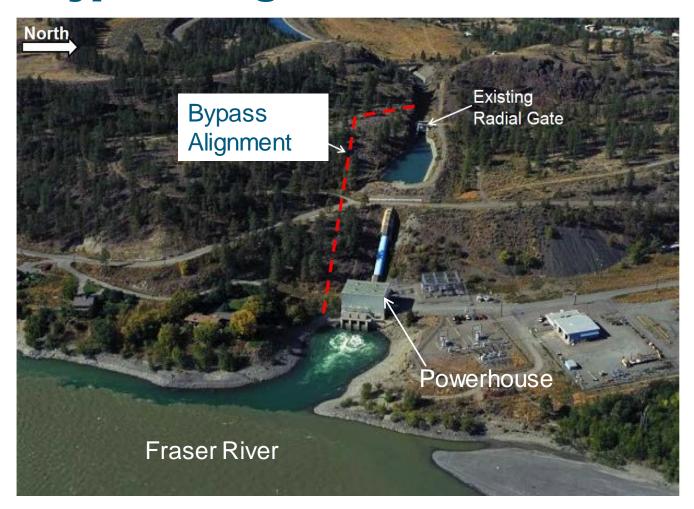




- There are two possible ways to pass water from Seton Lake:
 - through the dam (via Seton River)
 - through the canal and powerhouse.
- The anticipated 12-month construction period to replace the generating unit requires no flow through the powerhouse.
- Diverting all water down the Seton River for 12 months would result in:
 - very high flows
 - environmental impacts
 - risk of erosion



Overview of Seton Generating Station with Bypass Alignment





Key Considerations

Structured Decision Making

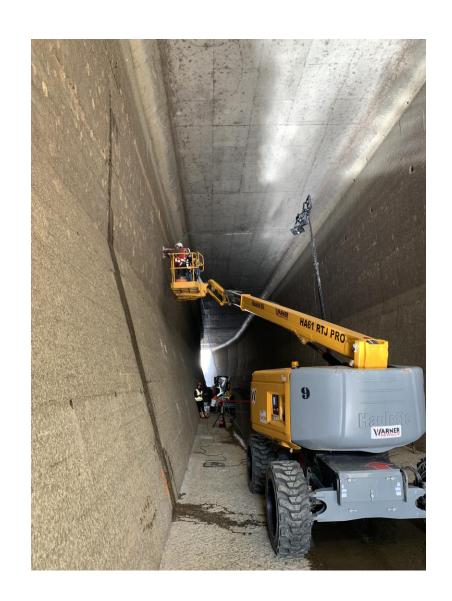
- Safety
- Environment
- Cost
- Socio-economic
- First Nations
- Stakeholders
- Reliability
- Operations and Maintenance
- Constructability





Current Activities

- In Feasibility Design Stage
- Coring complete and assessment underway
 - Expect to complete in 6-8 more months
 - Rock characteristics being evaluated
 - Possibility of an underground rock tunnel which helps avoid archeological sites identified in the area
- Confirming equipment health of the current unit





Current Activities (cont'd)

- Drilling program completed beginning of 2022
 - Analysis of drilling program continues
- Ongoing desktop studies:
 - Flow modelling
 - Archaeological overview including Archaeological Investigation Assessment (AIA)
 - Environmental overview
 - Fish passage studies
 - Cultural heritage studies





Project Timeline

March 2021

Identify recommend ed leading alternative

Spring 2023

Confirmed preferred alternative

Summer 2024

Complete Preliminary Design Bypass: March 2027

Unit: December 2028

Earliest in-service date















Working to confirm leading alternative.

2022

Commence CPCN Application ~Fall 2023 Earliest start construction.

Late 2025





Safety

- A BC Hydro Management Plan includes all aspects of safety and emergency response such as:
 - Travel
 - Working alone procedures
 - Code of Conduct
 - Evacuation
 - Policies and procedures
 - Wildfire response
 - Flood response
 - COVID-19 Vaccine mandate
- No lost time incidents reported last year.



Economic Opportunities

Specialty Labour and Training

Generator Replacement Projects

- Winder Electricians
- Millwrights
- Concrete Finishers
- Construction craft workers/general labourers
- Construction Management
- Site Superintendents
- Qualified Environmental Professional
- Environmental Monitors
- Flagging
- First Aid
- Safety Manager/ Officer
- Quality Manager
- Administration

BC Hydro

www.bchydro.com/careers

Industry Training Authority BC

www.itabc.ca



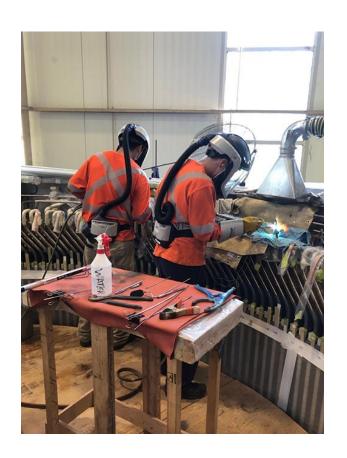
Economic Opportunities

- As we're in the early stages of the Seton Unit Replacement project, we haven't identified what opportunities will be available.
- There will be more information as we move forward with our planning.

Workforce

Over the multi-year construction period that is targeted to start in 2026, we anticipate:

- 2026-2027: ~40 temporary workers for the bypass
- 2027-2028: ~30 temporary workers for the unit replacement







Accommodation

- Accommodation in Lillooet is the priority, wherever possible:
 - This includes local hotels and local private houses
 - We will be engaging with our contractor on planning activities:
 - Includes an assessment of accommodations and accessibility from Lillooet to Gold Bridge for the Bridge River system
 - Expected completion is 12 months



Consultation and Engagement

Ongoing

As the project moves forward, we'll continue to work with local communities.

- Local government
 - Squamish Lillooet Regional District
 - District of Lillooet
- St'at'imc Nation Sekw'el'was
- Key stakeholders
- Public



Next Steps

Consultation and engagement will be ongoing throughout the project:

- Updates in the Bridge River Newsletter
- Future open houses as we continue to update communities
- Presentations such as this one

If you have any questions or comments on our project work, you can reach us at:

Email: projects@bchydro.com

Phone: 18666473334

You can also find the latest project information on our website: www.bchydro.com/bridgeriver







