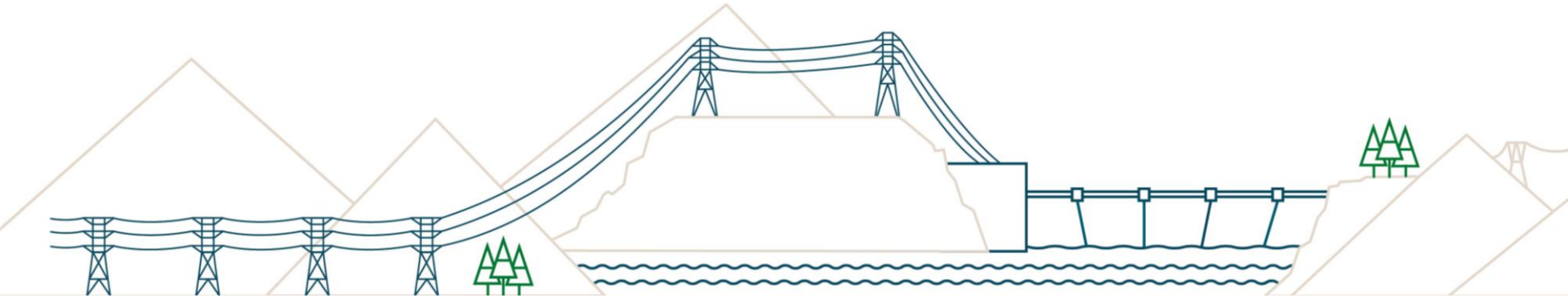


LaJoie Dam Improvement Project

Lillooet Open House



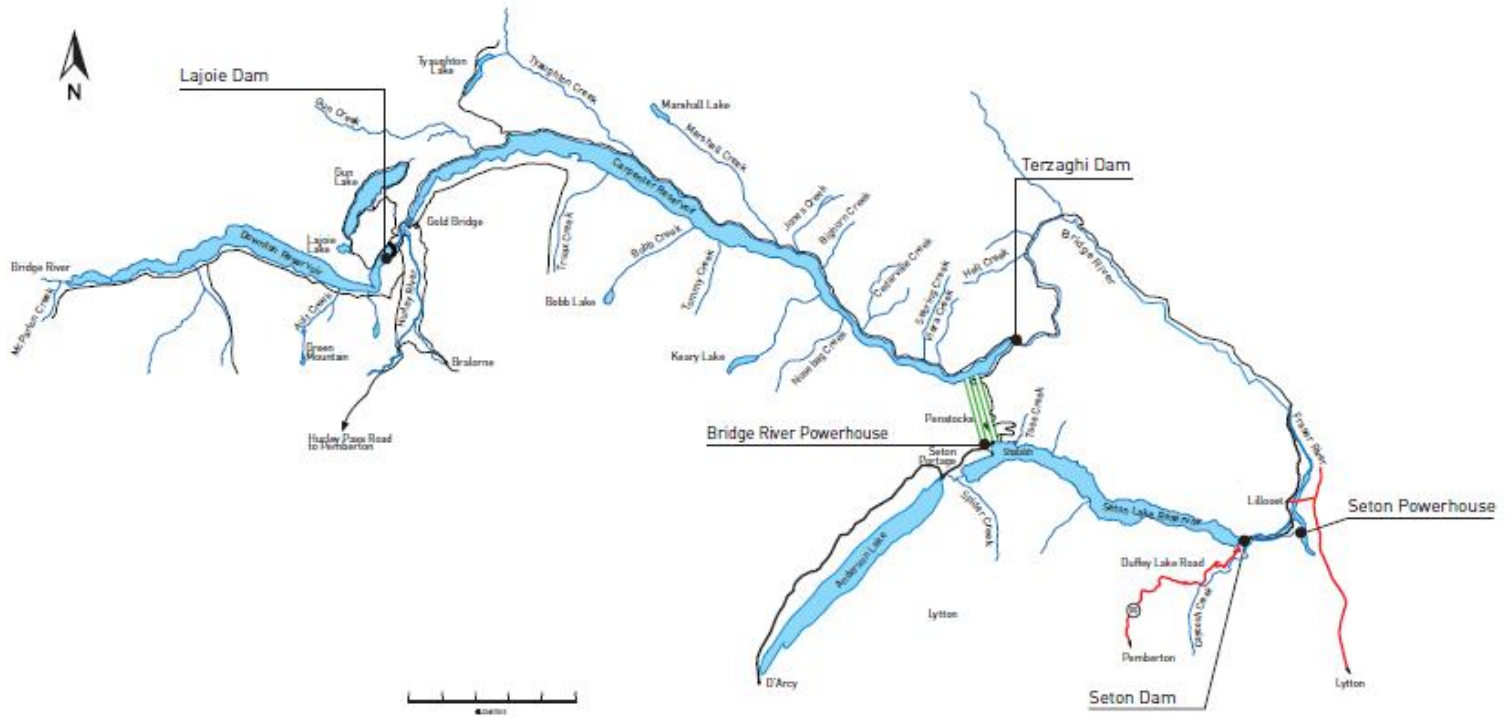
December 2020

Agenda

- Introduction and housekeeping
- Bridge River System Overview
- Presentation: LaJoie Project
 - Project Overview
 - Schedule
 - Economic Opportunities
 - Q & A

BC Hydro is making significant capital investments in the Bridge River system facilities.





Bridge River System



LaJoie
2028-2032



BRIDGE RIVER
TRANSMISSION
2023-2025



BRIDGE RIVER
2018-2029



SETON
2024-2027

LaJoie Dam Upgrade

Lillooet Open House
November 2020



Project Overview

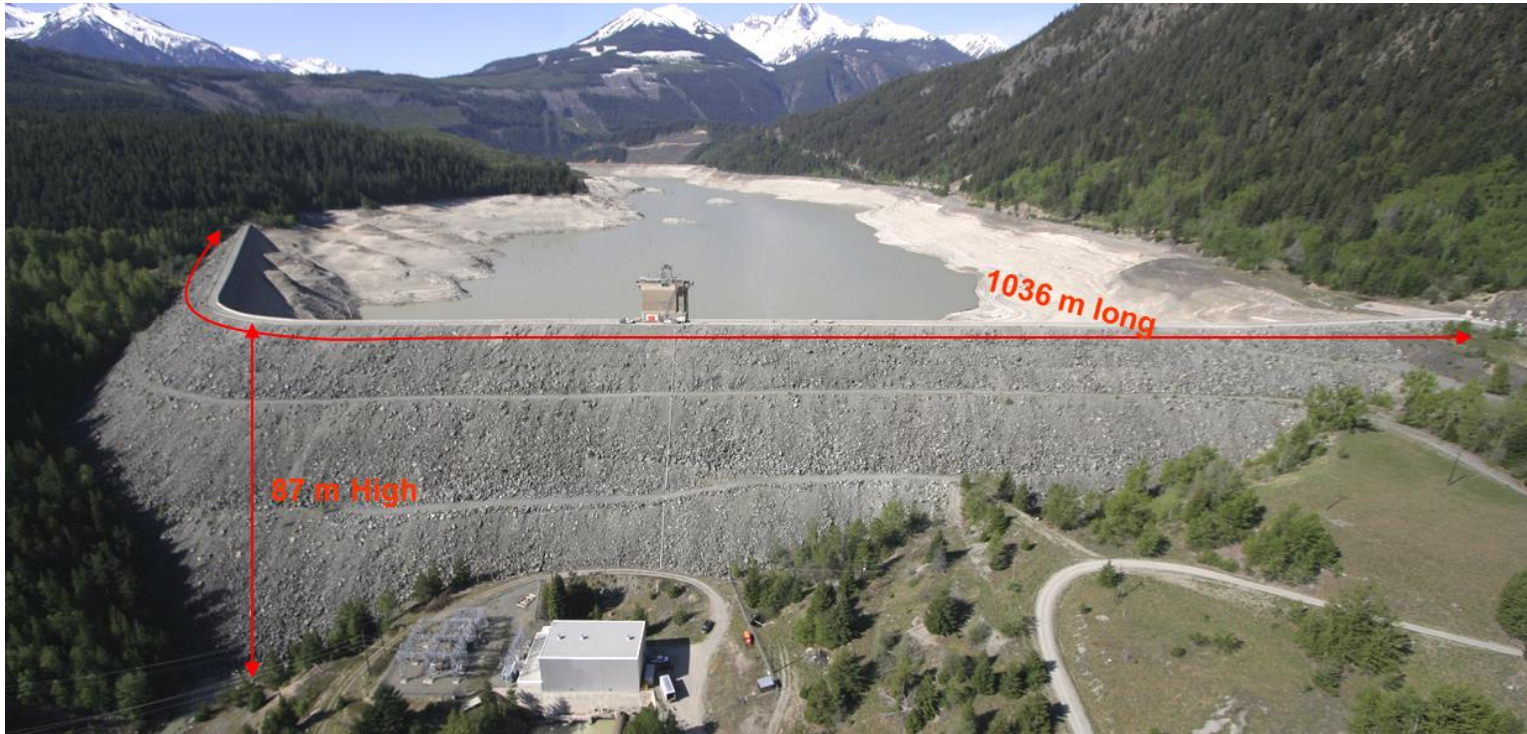
- We're in the early planning stages of the LaJoie Dam Improvement Project.
- Parts of the dam are nearing the end of their life.
- Upgrades are needed to ensure the facility continues to operate safely.
- We're currently considering alternatives to address these concerns.

Why is this project important?



- The LaJoie Dam is at the top end of the system and has a major influence in the watershed
- It is the biggest project in the Bridge River capital plan

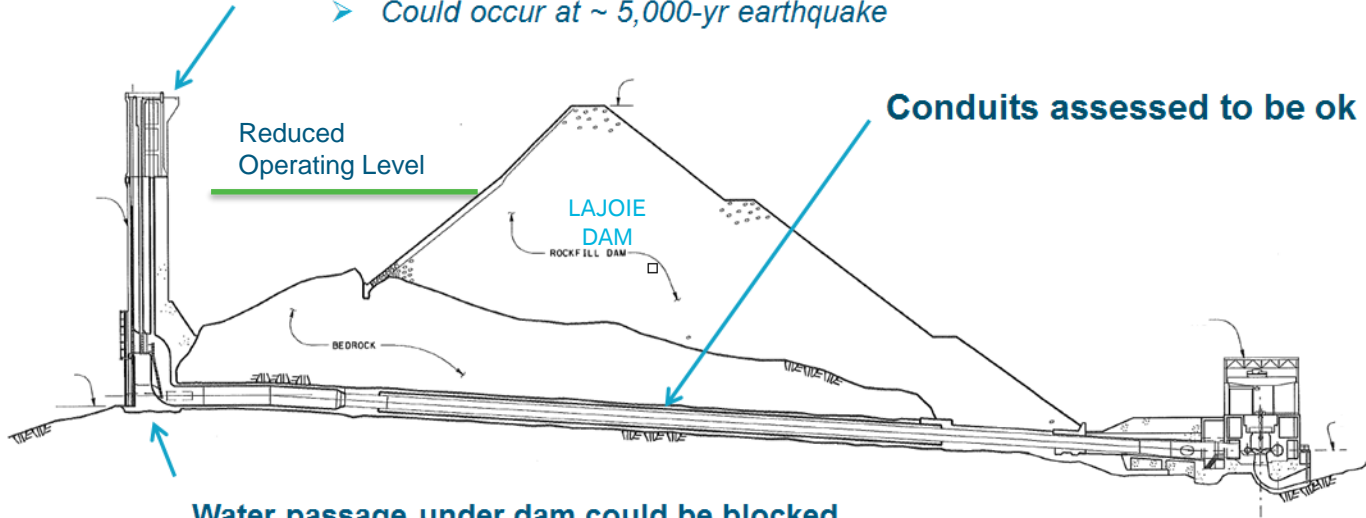
LaJoie Dam Improvement Project



Seismic Issues

A large earthquake would cause extensive damage or failure of intake tower

➤ *Could occur at ~ 5,000-yr earthquake*



Water passage under dam could be blocked

➤ *No ability to draw reservoir down after earthquake*

Project Alternatives

The LaJoie Dam Improvement Project is in the early stages.

The following alternatives are currently being considered:

- **Do Nothing (deferral).**
- **Return to normal reservoir levels**
- **Stay at reduced reservoir levels**
- **Decommission the dam**

Project Alternatives

Truescape Demo

Identifying a Leading Alternative

- Safety
- Environment
- Cost
- Socio-economic
- Stakeholders
- Geotechnical/Engineering

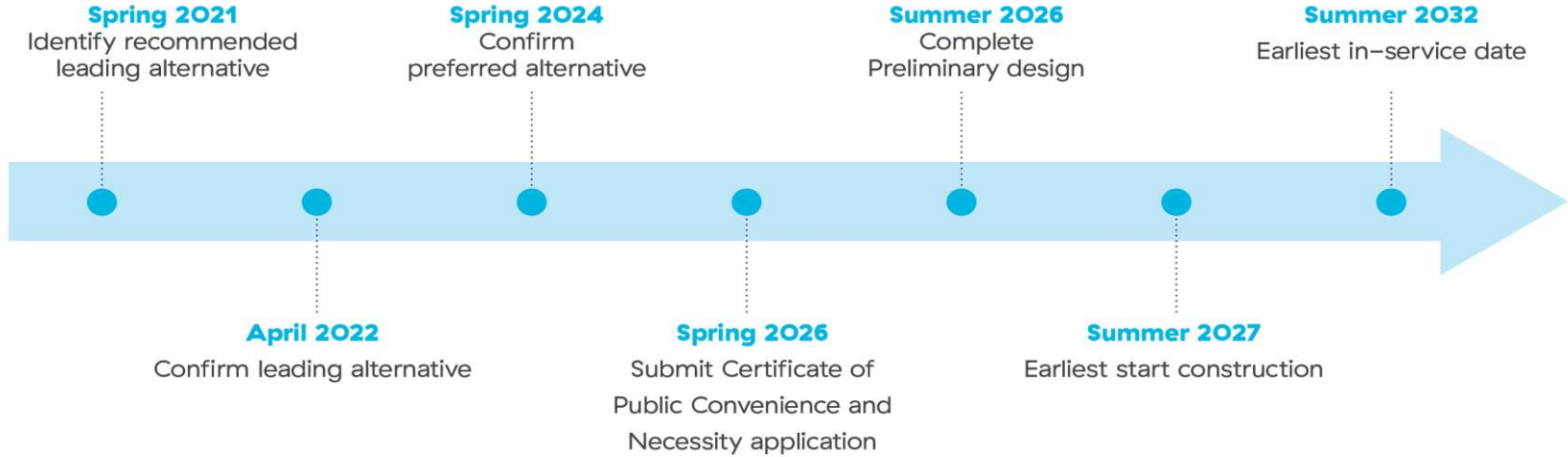


Economic Opportunities



- As we're at the very early stages of the project, we haven't identified what opportunities will be available.
- We'll share more information as we move forward with our planning.

Timeline



Current Activities

- Identifying “leading alternative” (by spring 2021)
- Ongoing desktop studies:
 - Flow modelling
 - Archaeological overview
 - Environmental overview



Next Steps

Consultation and engagement will be ongoing throughout the LaJoie Dam Improvement Project. If you have any questions or comments on our project work, you can reach us at:

Email: projects@bchydro.com

Phone: 1 866 647 3334

You can also find the latest project information on our website -

www.bchydro.com/bridgeriver

Questions?





BC Hydro

Power smart