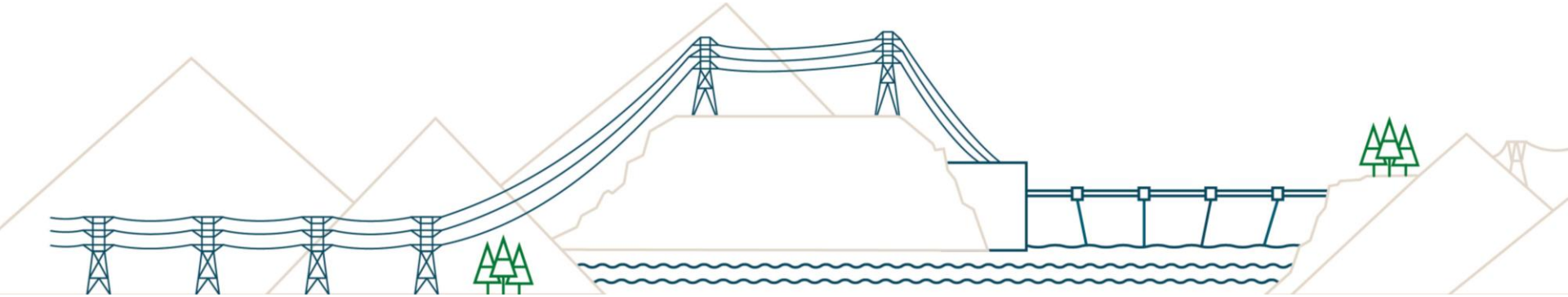


# LaJoie Dam Improvement Project

Lillooet Open House



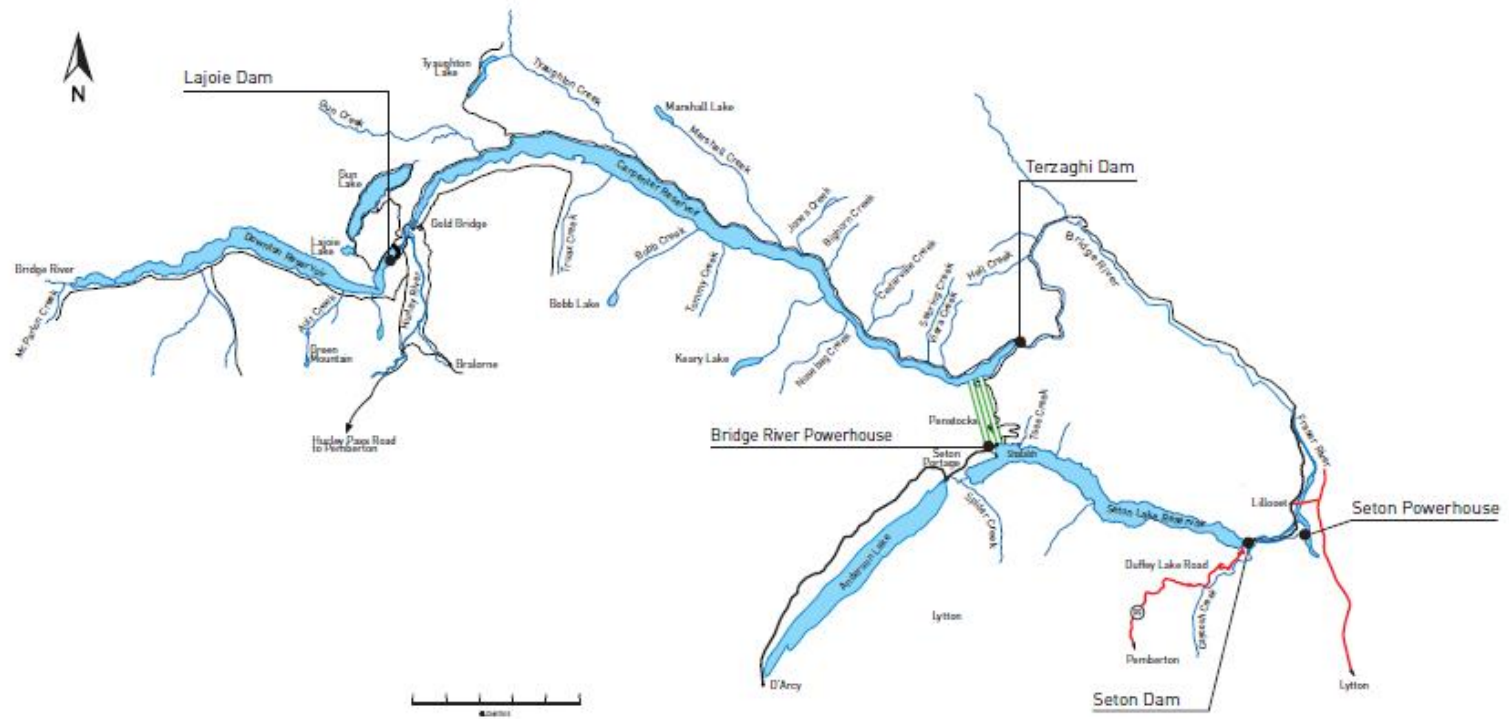
**December 2020**

# 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.



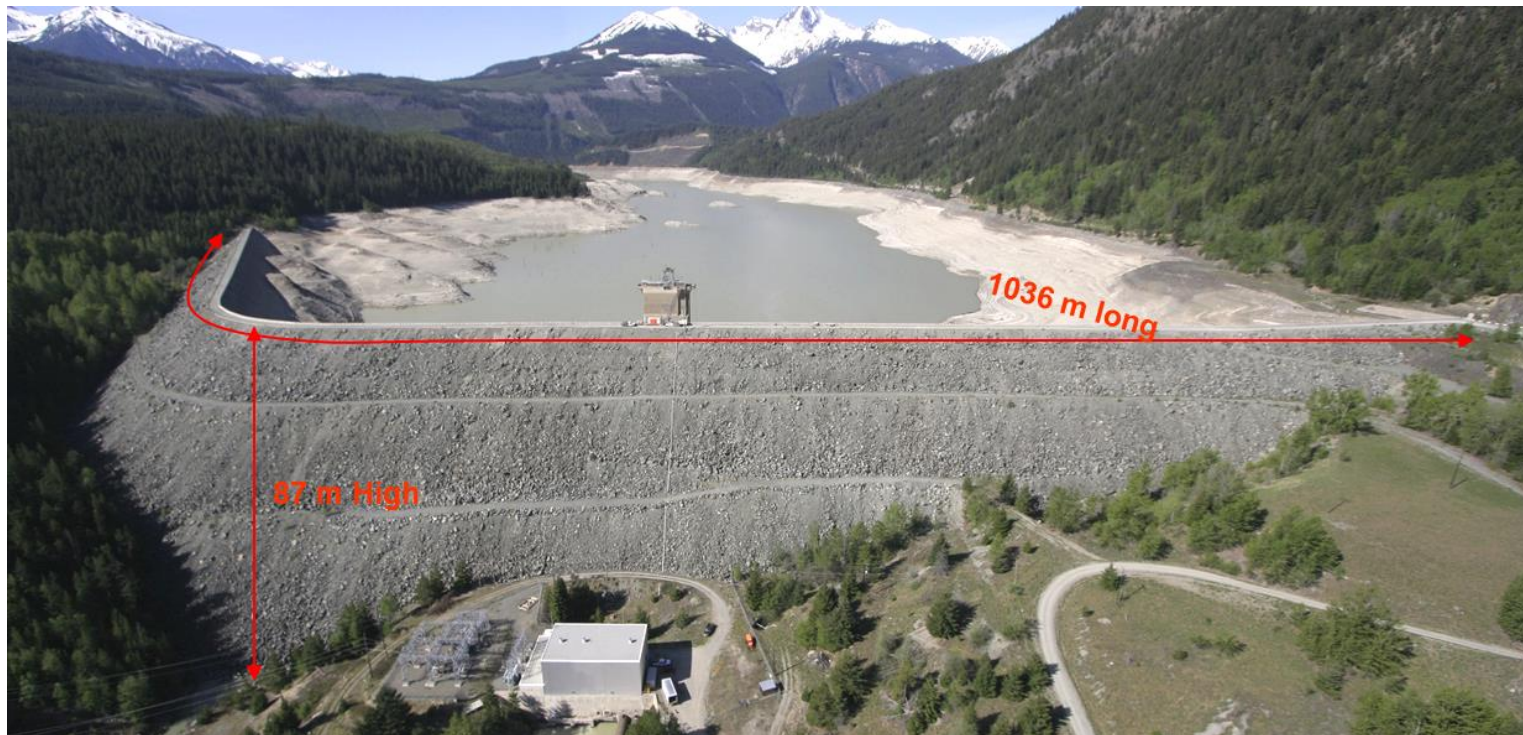
# Why is this project important?



- 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



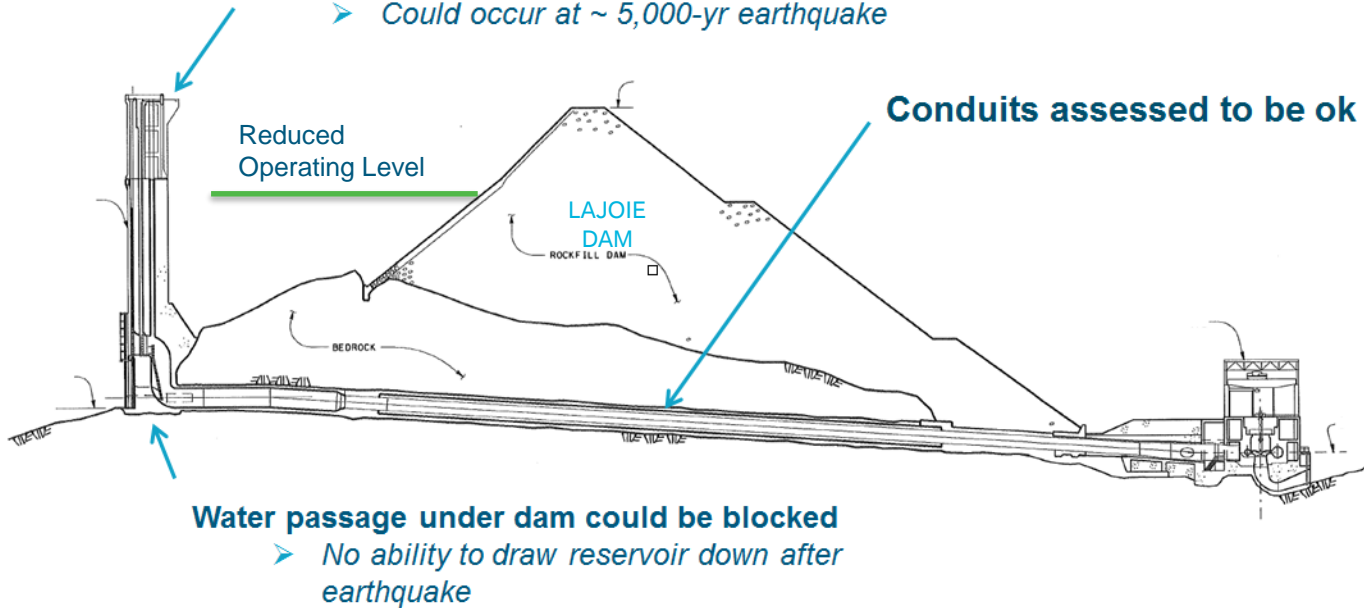
# LaJoie Dam Improvement Project



# Seismic Issues

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

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



# 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

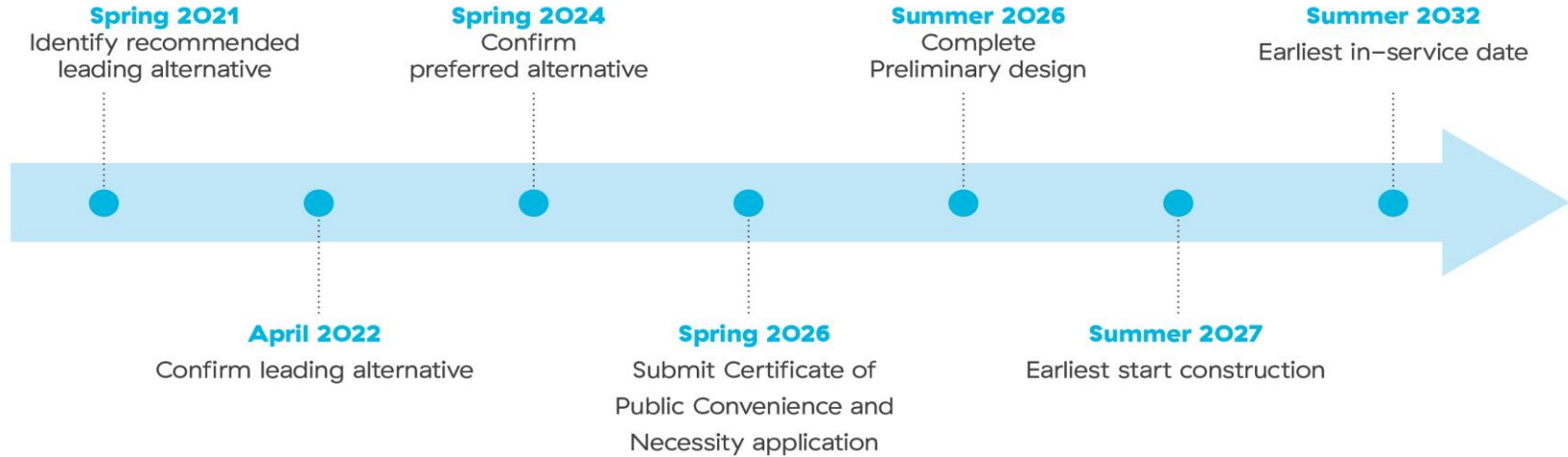


# Economic Opportunities



- 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](mailto:projects@bchydro.com)

Phone: 1 866 647 3334

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

[www.bchydro.com/bridgeriver](http://www.bchydro.com/bridgeriver)

# Questions?



