

Revelstoke Unit 6

**Virtual Open House
October 6, 2025**



Virtual Open House Etiquette



- Cameras are turned off to save bandwidth
- Open House is for discussion of REV 6
- Use the 'raise your hand' button for comments/ questions
 - One question and a follow-up
 - Additional questions after all have had a turn
- Share air space so that everyone can participate
- Challenge ideas, not people
- We're not recording this session, and kindly ask that others don't record



Agenda

- Welcome
- Dam and Generating Station
- Project Overview
- Project Benefits
- Revelstoke Unit 6
- Traffic
- Housing
- Workforce, Employment and Training
- Procurement
- Environment and Archaeology
- Schedule



Welcome

We're adding a sixth generating unit at Revelstoke Generating Station and a potential new capacitor station near Summerland to:

- support electrification
- meet peak demand
- support the addition of renewable energy sources to our system

BC Hydro recognizes that the Revelstoke facility is built on the unceded traditional territories of the syilx Okanagan Nation, Secwepemc, and in ʔamakʔis Ktunaxa.

We acknowledge the impacts that BC Hydro's system and operations have had on these Nations and the land they have made use of since time immemorial. We share in the responsibility to act as stewards for the land and care for its resources.



Revelstoke Dam and Generating Station

Located on the Columbia River, 5 km upstream from the City of Revelstoke.

Part of our Columbia system

- Revelstoke Reservoir and Mica Dam upstream
- Keenleyside Dam and Arrow Lakes Reservoir downstream

Generating Station was built to house six units; four were installed in 1984 and the fifth was added in 2010.

Electricity is delivered to the grid by two parallel 500 kilovolt transmission lines that run from the generating station to Ashton Creek Substation near Enderby.



Project Overview

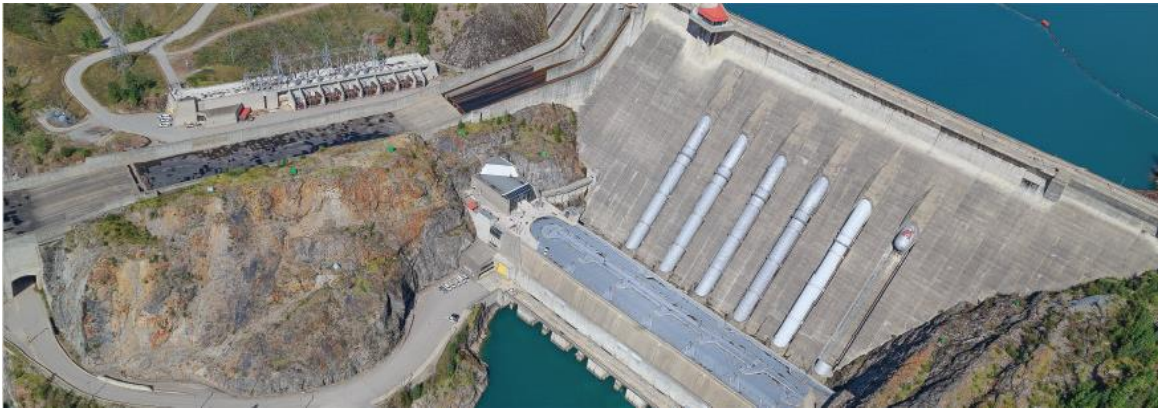
The project will:

- install the sixth and final generating unit at Revelstoke Generating Station
- potentially construct a capacitor station near Summerland

The project received:

- an Environmental Assessment Certificate (EAC) from the BC Environmental Assessment Office in 2018 that includes a Certified Project Description and conditions that the project must meet to proceed.
- a water licence in 2019 to operate the facility at peak capacity, as needed.
- an extension to the EAC in May 2025 that requires the project to be substantially started by November 2028.

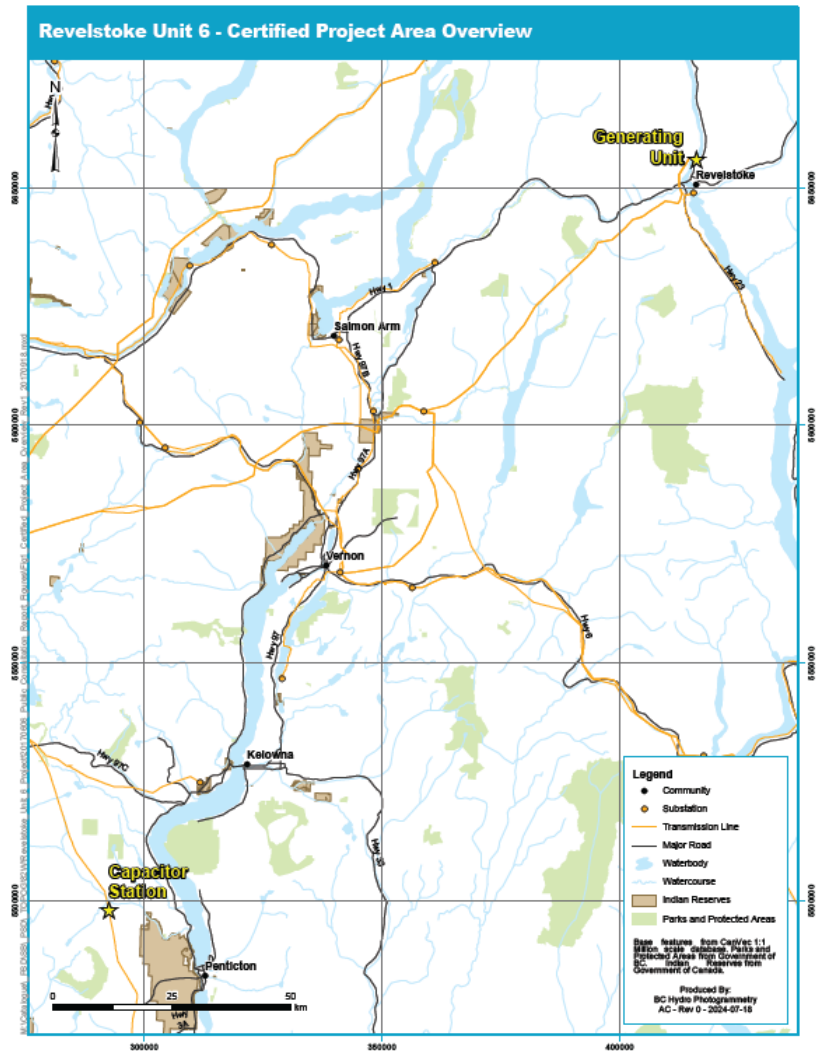
Construction will start in spring 2026 and Unit 6 is planned to be in service in December 2032.



Project Area

This figure shows the general location of the new generating unit and potential capacitor station as defined in the Certified Project Description

The Certified Project Description forms part of the project approvals (i.e., Schedule A of the EAC).



Project Benefits

Revelstoke Unit 6 will add 500 MW of capacity to help support electrification, meet peak demand, and support the addition of renewable energy sources.

Jobs And Economic Benefits

- Construction will create 450+ person years of temporary employment and generate local spending of about \$60 million for goods, materials, and services.

Maximizing The Value Of Bc Hydro Assets

- We're making optimum use of an existing facility by adding a sixth unit.
- Increased flexibility in how we operate and manage our system in the event of outages and respond to uncertainty (e.g., extreme weather, unplanned outages).

Cost Effective

- This is the most inexpensive way to add 500MW of capacity to our system.

Minimize Footprint

- Won't involve a significant change to the facility and construction activities will be within the existing facility footprint.



Revelstoke Unit 6

Key project components:

- A 500 megawatt (MW) generating unit in an existing turbine bay at Revelstoke Generating Station.
- A sixth steel penstock on the face of the dam.
- A generator transformer, switchgear, and ancillary mechanical and electrical equipment in the existing powerhouse.



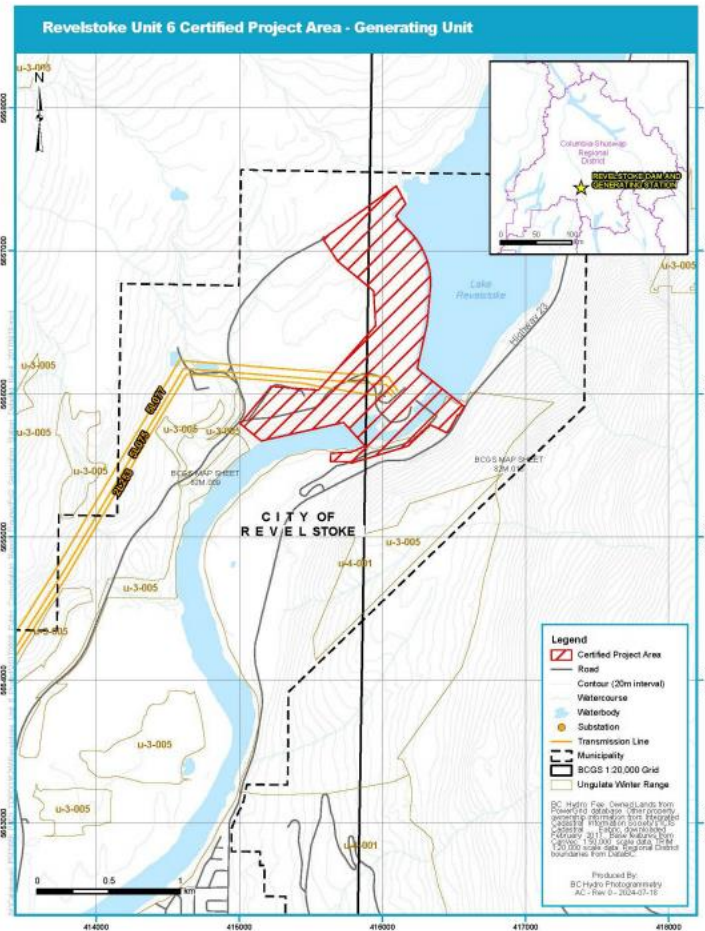
Revelstoke Unit 6

Key activities at the Generating Station site will include:

- Site preparation
- Expansion of warehouse storage
- Penstock construction
- Civil construction
- Turbine and generator installation
- Gas Insulated Switchgear modifications
- Electrical and mechanical equipment installation
- Testing and commissioning

Work will take place within the fenced property boundary of the generating station and use the same construction and laydown areas used for the Revelstoke Unit 5 Project.

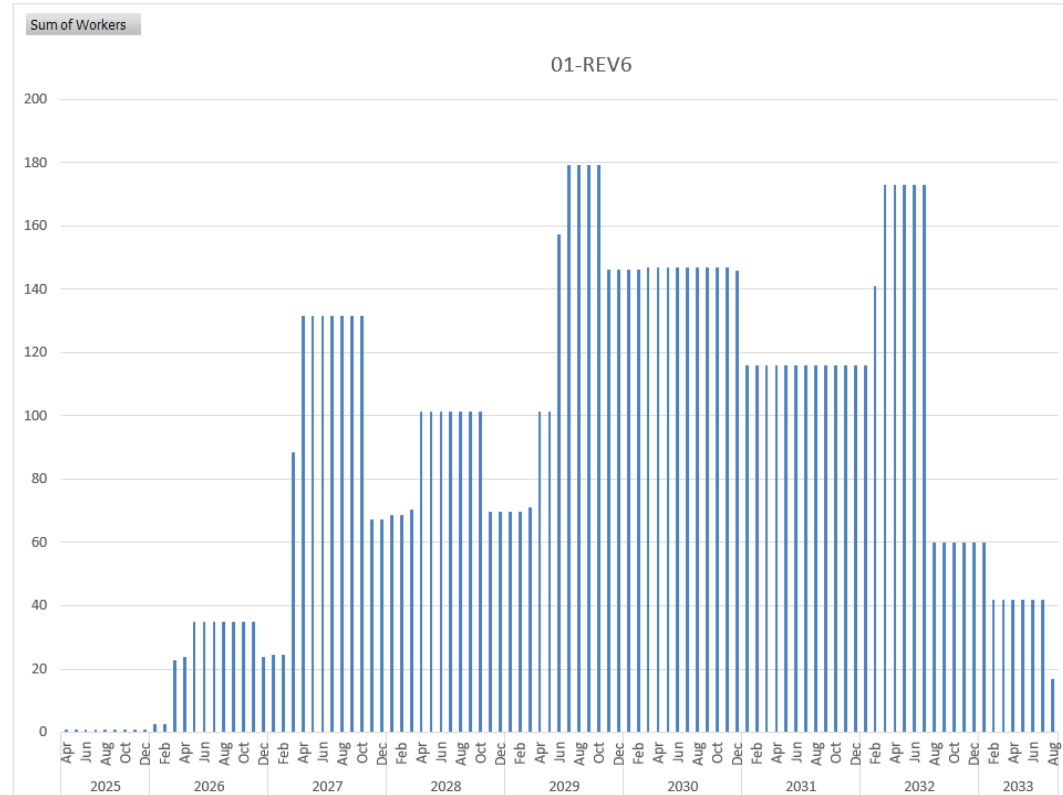
Project traffic will use Westside Road and Highway 23N for access.



Project Workforce

Construction of Revelstoke Unit 6 will create 450+ person years of temporary employment.

Requirements will be refined as project planning advances.



Traffic

Traffic Management Plan

We're developing a Traffic Management Plan (TMP) based on the Province's 2020 Traffic Management Manual for Work on Roadways which includes:

- measures for traffic control, restricting access to active construction sites, public communications, wildlife mortality prevention, incident management and response
- a requirement for the development of subplans with more specifics

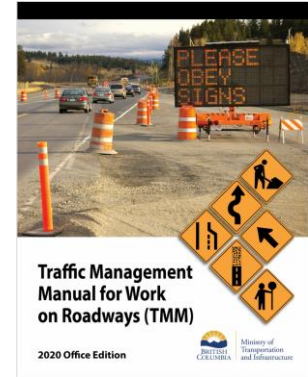
Public Communications Plan

Along with the TMP we're developing a Plan to:

- communicate traffic related information to the public, emergency response providers, and other Westside Road users
- work with Ministry of Transportation and Transit (MoTT) to address concerns related to Ministry infrastructure, as required

Monitoring And Addressing Road Conditions

We'll monitor Westside Road conditions during construction and work with the City to determine if funding for repair or maintenance or other mitigation is needed as a result of Project road use.



Housing

Collaborating To Address Housing Needs

- We're working with the City of Revelstoke and the Revelstoke Community Housing Society (RCHS) to reduce negative impacts on accommodation supply.
- To support this objective, we've provided funding to RCHS to:
 - Advance planning for housing units already identified by the City
 - Review and potentially secure additional private sector accommodation options

Supporting Affordable Housing

- We're working with the City and RCHS to advance plans for new housing units which could help support affordable housing in the community.

Ongoing Engagement

- We'll continue working with the City and RCHS to identify options for housing our workforce and to identify any unforeseen impacts on local housing during project construction.

Other Projects

- We'll be undertaking other projects in the Revelstoke area and will review housing options for them as planning advances.



Employment and Training

Revelstoke Unit 6 construction will provide a variety of employment opportunities.

We'll:

- work with major employers, educational institutions and economic development agencies to support alignment of recruitment and training initiatives
- work with First Nations to develop a First Nations Training, Employment and Procurement Plan
- provide a financial contribution to support project related training

Information on how to access employment opportunities will be available on the project website (www.bchydro.com/revelstoke6) as the project advances.

• Labourers	• Boiler Makers
• Electricians	• Iron Workers
• Communication, Protection and Control Technologists	• Pipe Fitters
• Winders	• Cement Masons
• Millwrights	• Painters
• Equipment Operators	• Other Miscellaneous
• Crane Operators	• Contractor's staff
• Metal Workers	• BC Hydro staff
• Carpenters	• BC Hydro apprentices
• Machinists	



Local and Equity Hire

The Project will hire construction tradespersons, operators, labourers, technicians, administration staff and supervisors under the provisions of the Columbia Hydro Constructors Agreement which will be used for most workers for Revelstoke Unit 6.

This union agreement:

- gives first preference to workers living within a 100 km radius of the project site and second preference to those living in the Columbia basin.
- has equity hire provisions for qualified workers who are First Nations, women in non-traditional roles, visible minorities, and/or disabled.

Information on how to access employment opportunities will be available on the project website (www.bchydro.com/revelstoke6) as the project advances.

Local and equity hire percentage for Revelstoke 5 project construction

Local hire	32%
First Nations	4.2%
Women in non-traditional roles	3.4%
Visible minority	1.9%
Disabled	1.3%



Procurement

Construction will be completed by independent contractors through several large contracts awarded according to BC Hydro's procurement policies.

Based on the experience of the REV 5 and Mica 5 and 6 projects, the following types of goods and services could be supplied, at least in part, by local and First Nations owned and operated enterprises:

- Accommodation
- Restaurant
- Grocery store
- Snow removal
- Aggregates
- Busing, trucking, and other transportation
- Avalanche monitoring and risk reduction
- Paving and asphalt repairs
- First aid
- Waste water removal
- Crane inspection and testing
- Vegetation removal
- Concrete
- Catering services
- Miscellaneous equipment rentals
- Miscellaneous electrical services
- Ground penetrating radar (GPR) scanning
- Surveying services
- Excavation services
- Security services
- Safety equipment and consulting
- Miscellaneous building supplies
- Miscellaneous plumbing services
- Water treatment services
- Construction management and engineering



Procurement

We'll work:

- to enhance procurement of materials, goods and services supplied by local suppliers by working with suppliers to identify ways to increase the involvement of local businesses in economic opportunities associated with the project
- with First Nations to develop a First Nations Training, Employment and Procurement Plan

Information on how to access procurement opportunities will be available on the project website (www.bchydro.com/revelstoke6) as the project advances.



Environment and Archaeology

The following plans are being developed before construction in consultation with the BC Ministry of Water, Land and Resource Stewardship and First Nations.

Construction Environmental Management Plan

- Provides requirements, standard protocols, and mitigation measures that will be required at minimum to reduce potential for adverse environmental effects.

Wildlife Protection Plan

- Describes mitigations that will be implemented for the protection of wildlife and wildlife habitat during construction and operations.

Archaeological And Historical Heritage Resources Plan

- Provides performance-based heritage requirements, standard protocols, and mitigation measures to reduce potential effects during construction and operations.

Independent Environmental Monitor Terms Of Engagement

- Sets out the role, responsibilities, qualifications.
- Describes communications and reporting processes and requirements.



Environment and Archaeology

The following plans will be developed before operations in consultation with the BC Ministry of Water, Land and Resource Stewardship and First Nations.

Operations Environmental Management Plan

- Will address management of human-wildlife conflict, invasive plants, access, and emergency response.

Water Monitoring Plan

- Describes monitoring to be implemented during operations - discharge from Revelstoke Dam; water levels in Revelstoke Reservoir, mid-Columbia River and Arrow Lakes Reservoir; channel and bank erosion.

Fish And Fish Habitat Monitoring And Mitigation Plan

- Provides standard protocols and mitigation measures to reduce the potential for adverse effects to fish and fish habitat during operations.



Proposed Schedule

Task	Timing
Confirm how accommodation will be provided	Fall 2025
Form Community Impact Monitoring Committee	Early 2026
Next Open House	Spring 2026
Construction starts	Spring 2026
Project construction substantially started	November 2028
Project in-service	Target – December 2032



Potential Impacts on Revelstoke Reservoir and Downstream of the Dam

Revelstoke Reservoir will continue to be operated within its normal range and show only minor changes.

Average flows downstream of the dam will be the same but discharge patterns will differ slightly from current operation.

Flow	Volume	How Often These Will Occur Compared to Now
Low	Below 12,000 cfs*	About the same amount of time
Medium	12,000 to 60,000 cfs	Less often
Higher	Over 60,000 cfs	More often
High	Over 75,000 cfs	Less than 1% of the time

*cubic feet per second

During high flows, the water level would be up to 0.5 m higher immediately below the dam and the level would decrease with distance downstream to where it wouldn't be measurable:

- Typical high July reservoir levels – 8 km downstream.
- Typical low January reservoir levels – 15 km downstream.



Thank you for attending

We'll continue to keep you informed as the project advances.

If you have any additional questions or comments about the project, please feel free to contact us or visit the project webpage:

- Email: projects@bchydro.com
- Phone: 1 866 647 3334
- Webpage: www.bchydro.com/revelstoke6



