



North Coast Transmission Line: Phase 1

Virtual Open House
June 9, 2026



Virtual Open House Etiquette



- Cameras are turned off to save bandwidth
- 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



Welcome

We're working in partnership with First Nations to expand the transmission system serving the North Coast area by developing the North Coast Transmission Line (NCTL) from Prince George to Terrace.

- the focus of this open house is NCTL Phase 1 which is located between Williston and Glenannan substations

This expansion, along with other new or upgraded transmission infrastructure in the North Coast area, will:

- support economic growth and export capacity from the port
- help our customers power their operations
- help reduce greenhouse gases



Existing 500kV transmission line



Agenda

- Introductions
- North Coast Transmission System Expansion
- Collaboration and Partnership with First Nations
- North Coast Transmission Line Overview
- Phase 1 Route and Construction Segments
- 2026 Activities
- Worker Accommodation
- Laydown and Helicopter Infrastructure
- Studies
- Employment and Procurement
- Fire Safety
- EMF
- Schedule

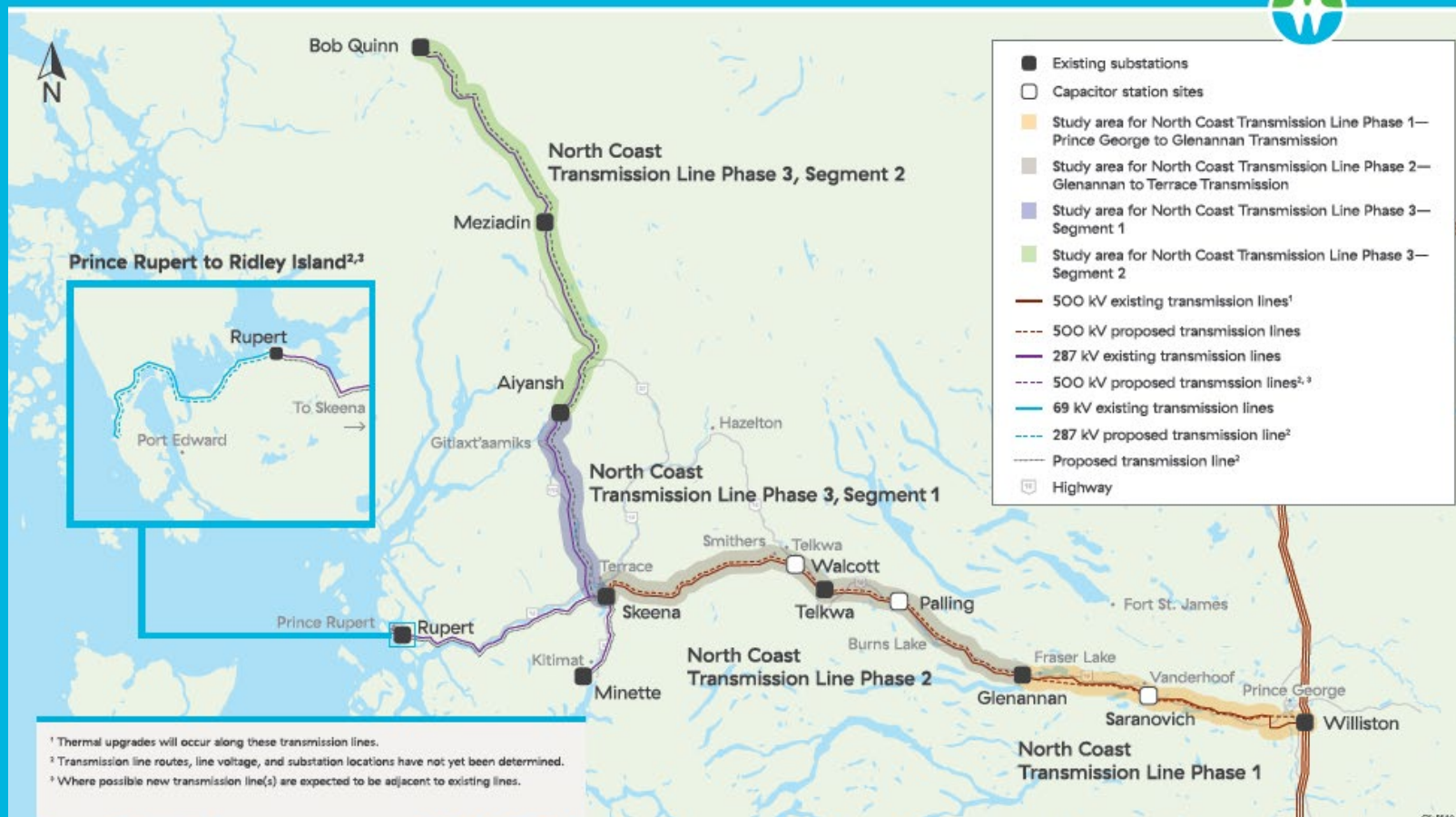


Supporting Economic Development and Reducing Greenhouse Gases

- We're building the Prince George to Terrace Capacitors project and planning other work to reinforce our system; however, the electricity from these sources is already fully subscribed.
- To provide the electricity needed, we're building new or upgrade existing infrastructure:
 - between Prince George and Terrace and north of Terrace through the North Coast Transmission Line Project (NCTL Phases 1, 2, and 3)
 - in Prince Rupert through the Prince Rupert to Ridley Island Transmission Project
 - between Prince George and Terrace through the Thermal Upgrades Project
- Depending on demand, we may also need new infrastructure from
 - Terrace to Kitimat
 - Terrace to Prince Rupert



North Coast Transmission Expansion



North Coast Transmission Line

BC Hydro, the Province of BC and First Nations are working together to develop NCTL. NCTL is proposed to be developed in three phases.

	Transmission Line	Substation Expansion	Capacitor Station Expansion	Schedule
Phase 1: Prince George to Glenannan	~165 km	- Williston - Glenannan	Saranovich	Construction 2026
Phase 2: Glenannan to Skeena	~275 km	- Telkwa - Skeena	- Palling - Wallcott	Pre-construction 2026 Construction 2027

Both phases include:

- fibre optic cable on new transmission towers
- access road upgrades (also helipads for Phase 2)
- worker camps and laydown areas

	Transmission Line	Other Infrastructure	Schedule
Phase 3: Skeena to Bob Quinn	~350 km (route to be confirmed)	- New substations near New Aiyansh and Bob Quinn - Other infrastructure needs to be confirmed as planning advances	In early planning stage



BC Hydro, BC and First Nations Collaboration & Partnership

- First Nations, BC Hydro, and the Government of BC are working to advance a novel partnership model with First Nations along the NCTL corridor that would result in First Nations co-owning the transmission lines with BC Hydro.
- This reflects our commitment to meaningful reconciliation and long- term partnership, ensuring First Nations communities share in both the planning, development and decision-making process for NCTL and the economic benefits from NCTL.
- We're developing NCTL Phase 1: Prince George to Glenannan in partnership with:

○ Lheidli T'enneh

○ Saik'uz First Nation

○ Nazko First Nation

○ Nadleh Whut'en

○ Stelat'en First Nation



What Partnership Means

- Support for First Nations-led assessments to identify potential project impacts on First Nations interests
- Co-developing project conditions that address project-related social, economic, environmental and cultural impacts and supporting First Nations-led enhancement measures to leave a positive project legacy
- First Nation economic participation through procurement opportunities, training and employment
- A co-ownership opportunity for First Nations to become 50/50 equity partners and benefit through long term equity returns



Route and Construction Segments



Constructing a Transmission Line

NCTL



Planning	Design	Pre-construction	Construction
○ Identify route corridors ○ Identify route options ○ Identify right-of-way requirements ○ High-level environmental review ○ Initial engineering and environmental field studies to determine if lines can be built in an area ○ Route selection	○ Detailed engineering and environmental studies ○ Permit applications ○ Confirm placement of structures ○ Confirm new right-of-way ○ Acquire property rights including access	○ Clearing ○ Access to upgrading existing or building new roads and helipads ○ Prepare laydown areas ○ Purchase construction materials	○ Prepare right-of-way so that foundations and towers can be installed ○ Foundations ○ Towers ○ Line stringing ○ Restoration

Expansion or upgrades of capacitor stations and substations follow similar steps.

We're working in partnership with First Nations throughout all phases of the North Coast Transmission Line.

Stakeholder engagement will be ongoing through all project phases.



Key Activities 2026

Definitive Agreements	○ Finalize Definitive Agreements with First Nations to formalize co-ownership of the transmission lines (fall)
Williston Substation	○ Prepare site for substation expansion (summer start)
Williston to Beverly Substation	○ Access work (summer start) ○ Relocate existing 60 kV line (fall start)
Camp and Laydown	○ Confirmed camp and laydown location near Vanderhoof and laydown near Prince George (spring) ○ Prepare sites, as required (spring/summer) ○ Start construction (summer)
Studies	○ Archaeological Impact Assessment across the line corridor ○ Helicopter survey of bird nests ○ Pre-clearing surveys along certain sections of the line ○ Engineering studies as needed



Key Activities 2026

Forestry and Access	○ Access road upgrades and construction and main right-of-way clearing on Segments D, E and F (summer start) ○ Upgrade existing and construct new access roads in other areas
Geotechnical	○ Drilling and test pitting between Prince George and Vanderhoof (late-March to August)
Construction Office	○ Open office in Prince George (summer)
Consultation and Engagement	○ Engagement and consultation (ongoing) ○ First Nations and community meetings (April to June) ○ Participate in First Nations and Community events (ongoing)



Access and Clearing

Right of way preparation

- Includes tree felling, removal of merchantable timber, clearing, grubbing and waste wood removal

Road Upgrades

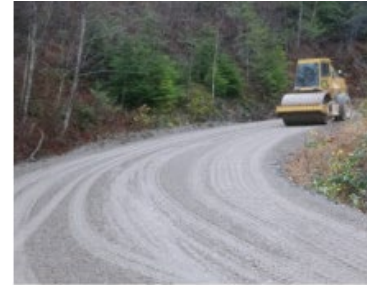
- Includes road maintenance and road reconstruction

New Road Construction

- Includes cut and fill, overlanding, culvert installation, etc.

Bridge and engineered crossings

- Includes fabrication, supply, installation and certification



New road construction



Typical right of way preparation with mulching



Stacking merchantable timber



Specific standard will indicate method of cutting trees such as hand felling (HH-1) vs mechanical felling (MM-3) for example



Work in Segments D, E and F

Work in 2026 is planned as follows:

- Segment D: July 2 to November 30
- Segment E: mid-August to late December
- Segment F: September to January

We'll focus on right-of-way construction including:

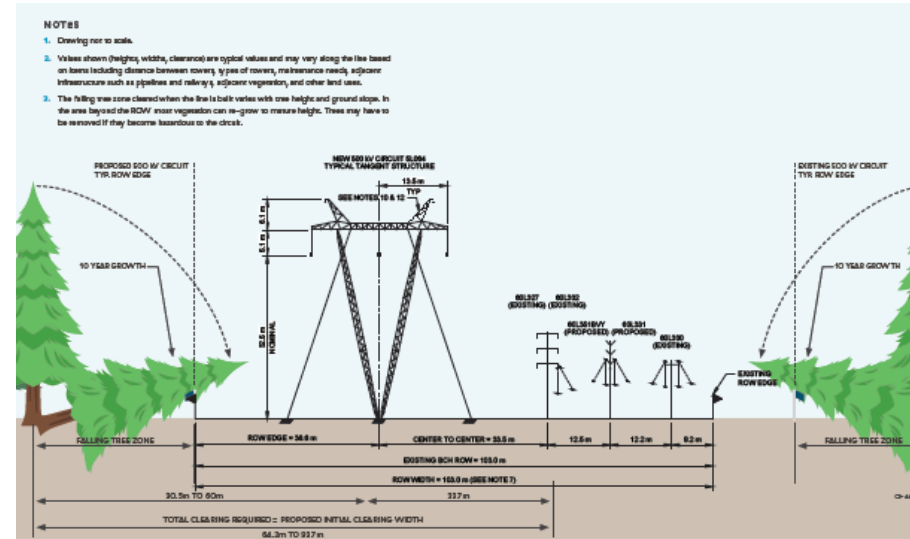
- Upgrading existing and building new access roads
- Bridges
- Culverts
- Fencing
- Tree clearing
- Vegetation mowing

Transmission line construction (e.g., tower installation) is planned to start in summer 2027.



Williston to Beverly Relocation (Segment A1)

- Work is planned to start in August 2026 and will include
 - building access roads
 - tree clearing
 - relocating the 60 kV line that's on the large towers
 - replacing the bridge crossing Little Haggith Creek with a steel bridge
- This work isn't expected to affect service. If a planned disruption is needed, advance notice will be provided.
- Construction may affect access in some areas - signs will be posted and regular updates provided.
- Installing the new 500 kV towers will start in 2028.
- In 2026 we will be undertaking studies and investigative works (e.g., engineering, geotechnical programs, environment, surveying) in segment A2.



Worker Accommodation

- We worked with First Nations and communities to understand housing conditions and plan worker housing that meets project needs and considers local concerns and interests.
- At peak construction about 1,400 people will be working between Prince George and Terrace.
- We'll engage regional workers and contractors; however, we'll also need temporary camps in the Vanderhoof, Burns Lake, Telkwa and Terrace areas.
 - The NCTL Phase 1 camp will be located at the former Canfor site near Engen and will house up to 350 workers from 2027 to 2031.
- Smaller, mobile camps may also be needed if gaps in coverage are identified.
- The project will use the Site C camp facilities with part of the facilities being moved to each camp location. Each camp is expected to use 3 to 4 dormitory units from Site C.



Site C camp includes 21 dorms



Worker Accommodation

- Camps will meet Provincial Industrial Camp requirements.
- In addition to accommodation, typical facilities include:

○ mobile generators or powerlines	○ maintenance	○ waste management
○ septic systems or fields	○ propane or other fuel	○ laundry
○ potable water source	○ recreation/culture	○ parking lot
○ Kitchen	○ communications	○ fire and other safety
	○ first aid/health	○ security

- Before a camp, site office or laydown area is developed, sites typically require grading, stripping, fencing, drainage and road development, and other improvements.
- We're working with First Nations and communities to learn from their past experience with camps to identify ways to enhance positive effects and avoid or minimize negative impacts



Worker Accommodation

Various mechanisms to reduce potential impacts on the local area have been developed including:

- Project Worker Code of Conduct
- Cultural Awareness, gender and cultural safety, violence and sexual harassment prevention and addictions awareness training.
- Searches for unauthorized possession of alcohol or drugs
- Programs to allow worker and public to report concerns directly to BC Hydro.
- On-site health services when the project workforce reaches a large enough size
- On-site recreation and leisure facilities to make it pleasant to stay in camp.
- Camp perimeter security.



Laydown and Helicopter Areas

- We're working with First Nations and communities to develop laydown areas and helipads in a way that meets project needs while avoiding or minimizing potential impacts.

Laydown Areas

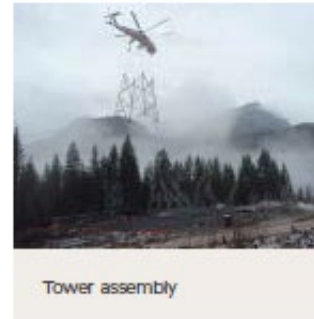
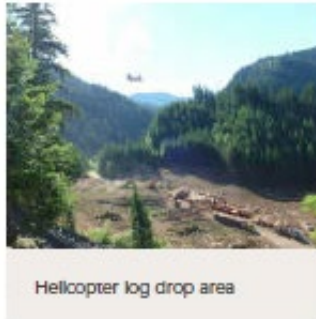
- We're working with First Nations and communities to confirm locations for laydown areas in the Prince George, Vanderhoof, Houston, Telkwa, and Terrace areas
- Laydown yards are temporary spaces to receive and manage project materials, store construction equipment, and for site offices.
- Laydown areas require:
 - All-weather road access to reduce impacts to deliveries due to road bans.
 - Lighting, fencing, security and sanitary services.
 - Generators and portable washrooms (connection to existing services is preferred).
- The areas must be able to support heavy truck deliveries and cranes year-round.
- In addition to main laydown yards, line contractors will establish multiple staging areas along the right-of-way



Laydown and Helicopter Areas

Helicopter Infrastructure

- We'll need helipads, staging areas, drop sites, tower assembly sites and helicopter service yards between Telkwa and Skeena where we can't access the line by road.
- We're refining our needs and working to identify potential locations.
- Safety and efficiency are our key considerations.



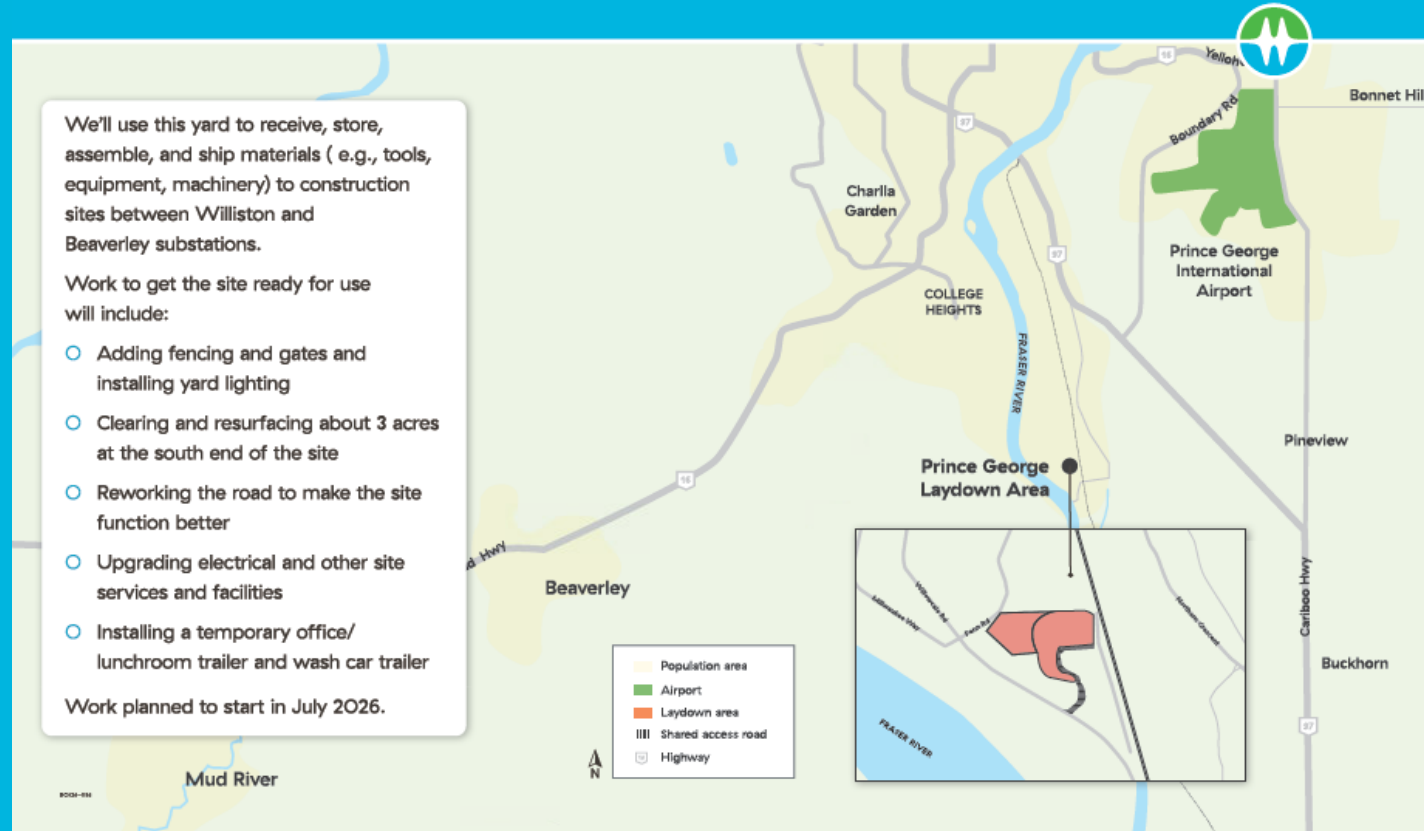
Prince George Laydown Area

We'll use this yard to receive, store, assemble, and ship materials (e.g., tools, equipment, machinery) to construction sites between Williston and Beaverley substations.

Work to get the site ready for use will include:

- Adding fencing and gates and installing yard lighting
- Clearing and resurfacing about 3 acres at the south end of the site
- Reworking the road to make the site function better
- Upgrading electrical and other site services and facilities
- Installing a temporary office/ lunchroom trailer and wash car trailer

Work planned to start in July 2026.



Vanderhoof Worker Camp and Laydown Area



Area will be used for:

○ Laydown Areas

- Managed by selected contractor.
- These yards will be used to receive, store, assemble and ship materials to the construction sites between construction segments B and H.

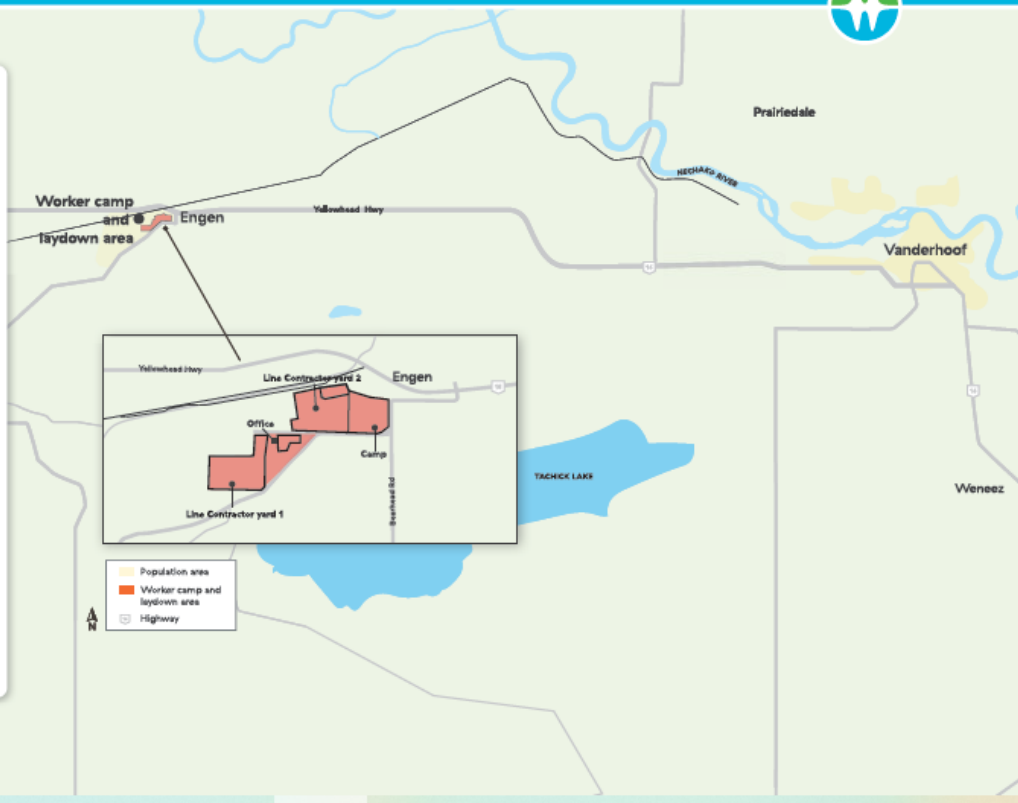
○ Camp

- Managed by selected camp provider.
- Will house a 340-person camp and parking areas.

Improvements to site:

- Clear overburden and level, add geotextile and rock.
- Add security fencing and gates.
- Install lighting and site power supply and connections.
- Determine how to deal with water and sewer.
- Move Site C dorms to site.

Work planned to start in July 2026.



Environmental, Social & First Nations Led Studies

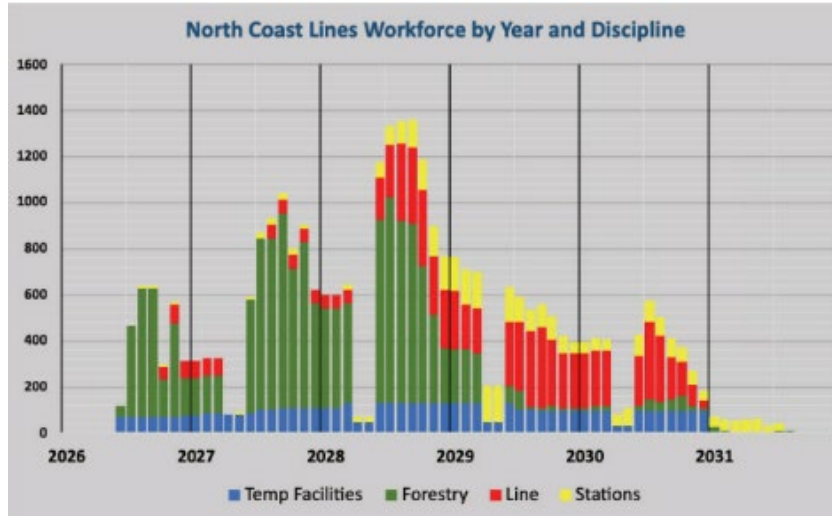
- Environmental studies started spring of 2024 and are continuing through 2026.
- Study areas vary by study and where clearing and/or ground disturbance will occur.
- Schedule:

Wildlife (bird nest surveys, den sweeps, amphibian salvage (as required))	May to August
Fish (stream assessments)	Late May to June
Archaeology	May to September

- We're using the study findings to help First Nations develop:
 - strategies to manage potential project effects
 - mitigation and monitoring programs
 - documents such as the Construction Environmental Management Plan and applications for permits and approvals
- Yinka Dene and First Nations Traditional Use and socio-economic studies were undertaken to inform First Nations' assessment of project impacts on their interests.



Employment



- We're hiring contractors who will, in turn, hire workers for the job. We're also hiring BC Hydro staff.
- The intent is to hire local/regional workers, where possible
- We'll provide information about the hiring process and/or Contractors to contact on our website, at First Nations and public events and through other means.
- Phase 1 construction is planned to start in July 2026.



Employment

A variety of jobs will be available during construction including:

-
- | | | | |
|---|-----------------------------|------------------------------|---|
| • Project Manager | • Plumber | • Clerical/Admin Support | • Materials Coordinator |
| • Powerline Technician | • Millwright | • Equipment Operators | • Camp cooks and support chefs |
| • Power Cable Technician | • Welder | • Labourers | • Housekeepers and Housekeeping Manager |
| • Electrician | • Apprentices | • Stringing Helicopter Pilot | • Camp Manager |
| • Communication, Protection & Control Technicians | • Driver Helpers | • Firewatch | • Maintenance workers |
| • Vehicle Tradesperson | • Construction Manager | • Security | • Camp administrators |
| • Truck and Transport | • Construction Officer | • First Aid | • Environmental professionals |
| • Mechanic | • Construction coordinators | • Health and Safety | • Business analyst |
| • Winder | • Field Engineer | • Truck Driver | • Document control |
| | | • Carpenter | |
-

Working with Contractors

- Most hiring will be done by contractors, and each has their own employment relationship with workers. Therefore, you must apply directly with these companies for employment opportunities.
- Job opportunities with the project will also be posted on bchydro.com/ncelectrification
- We'll work with contractors to ensure they understand the project commitments.

Working with BC Hydro

- We will hire staff for the BC Hydro team and jobs will be posted at www.bchydro.com/toolbar/careers



Procurement Overview

Procurement Type	Procurement Activity	Typical Packages		Timing
Pre-Construction	Services	- engineering design - forestry and access - archaeological - geotechnical	- Environmental field work - Investigative drilling - pad Installation/upgrades - hell-pad Installation / upgrades	2024 –2027
	Lines	- tower steel - foundation materials - conductor	- guys and anchors - line hardware	2025 –2028
Equipment Supply	Stations	- circuit breakers - switches - transformers	- stations steel - capacitors	
Construction	Clearing and Access	- access road construction/ upgrade - clearing	- brushing - danger tree removal - grubbing - waste wood disposal	2026–2031
	Line Construction	- site prep - tower foundations	- tower erection - tower stringing	2027–2032
	Construction Support Services	- first aid - site security - worker camps - material coordination	- environmental monitoring - helicopter services - vehicle washing - traffic management	2026–2032
	Stations Construction	- site prep - foundations	- Install equipment - protection/controls	2026–2032



Procurement Strategy

We're developing our procurement strategy in partnership with First Nations. There are two types of opportunities:

- Public bids
 - Public opportunities are published on BC Bid and information is available at public events and the project website at bchydro.com/ncelectrification.
 - The names of successful bidders will be posted on BC Bid and on the project website.
- First Nations directed procurement
 - Our First Nations partners identify companies to undertake certain contracts.

Right-of-way clearing and access construction

Starts in 2026

- Through our First Nation partners we're identifying contractors with clearing, logging, grubbing, site preparation, road construction and maintenance and related experience.

Lines

Starts in 2027

- Pre-qualified four potential contractors:
- Working to identify the successful bidders

Stations

Starts in 2027

- General electrical contractor to undertake civil and electrical installation.



Fire Safety

We take wildfire prevention and management seriously. We'll work to both prevent wildfires and be ready to deal with them should they occur through:

- **Wildfire Prevention and Management Plan**

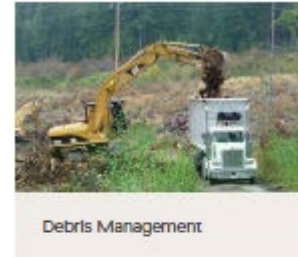
- Comply with the Wildfire Act, Regulation, and Open Burning Smoke Control Regulation
- Prevention strategies and best practices
- Preparedness and due diligence measures
- Response strategies and suppression tactics

- **Wildfire Risk Assessment**

- Values at risk
- Historical fire occurrences, weather, and climate
- Wildfire Threat Assessment
- Risk Management and Mitigation
- Response Resources

- **Quick Deploy (portable) Weather Stations**

- Localized site-specific weather monitoring
- Site specific fire weather indices and Fire Danger ratings
- Risk management and mitigation
- Accurate and appropriate regulatory compliance



EMF

- EMF occur inside and outside of your home.
 - Electric fields are produced by voltage in a line (e.g., 500 kV).
 - Magnetic fields are produced when electricity moves through a line.
- Sources include power lines, appliances (e.g., stoves, fridges), and electronic devices (e.g., TVs, hair dryers, cell phones).
- EMF levels decrease rapidly as you move away from a source.
 - By the time EMF from power lines reach your home they're often at lower levels than those in your home
- BC Hydro follows guidelines from Health Canada and the World Health Organization with a residential exposure guideline of 2,000 milligauss (mG).
- Extensive international research over the past 40 years has found no health effects from EMF exposure at levels below the guidelines.
- BC Hydro facilities are operated well within the guidelines.

Typical magnetic field levels (mG) near power lines

Meters from Line	0	10	20	30	40
Transmission Lines					
500kV (NCTL)	81	72	51	33	21
230 kV	38	28	15	8	5
138 kV	33	22	11	5	3
69 kV	18	6	3	1	0
Distribution (to your house)					
25 kV	10	5	2	1	0

Typical magnetic field levels (mG) in the home

Portable Heater	100 mG
Hairdryer	300 mG
Dishwasher	20 mG
Vacuum	300 mG
Washing Machine	20 mG
Power Saw	200 mG



Schedule

Winter/Spring 2026	○ Desktop and field studies ○ Assess route and site options ○ Select leading and preferred route
Spring 2026	○ Apply for permits for Phase 2 ○ Continue early works for Phase 1 ○ Continue planning for Phase 2 (through 2026)
Summer 2026	○ Open construction office in Prince George ○ Start construction (clearing, access) for Phase 1
Fall 2026	○ Finalize co-ownership with First Nations
Early 2027	○ Start construction of Phase 2
Summer 2027	○ Start transmission line construction
Fall 2030	○ Target in-service date for Phase 1
Mid 2032	○ Target in-service date for Phase 2



Thank you for attending

- We'll continue to keep you informed as the projects advance.
- For more information, please visit www.bchydro.com/ncelectrification.
- Please contact us at 1 866 647 3334 or at projects@bchydro.com if you have any additional questions or comments.



