

Project overview



The Coastal GasLink Project is a 670-kilometre provincially regulated pipeline that will safely deliver natural gas from northeastern B.C. to the LNG Canada facility in Kitimat, B.C.



Coastal GasLink will meet strict environmental and safety standards, while helping to meet the growing global demand for cleaner energy.



Coastal GasLink is under construction today and is delivering significant benefits to communities across the province.

Construction is underway



Coastal GasLink is the result of nearly a decade of planning, consultation, and rigorous environmental assessment. The project being built today has considered Indigenous and community concerns and feedback that has made our project better.



Section 1

Site preparation: Completed

Clearing & grading:

Clearing completed Spring 2021;
Grading completed Winter 2021/2022

Pipeline assembly: Completed
March 2022; Final tie-ins ongoing
through Fall 2022; Testing completed
Summer 2022

Section 2

Site preparation: Completed

Clearing & grading:

Clearing completed Spring 2021;
Grading completed Fall 2022

Pipeline assembly: Ongoing through
Winter 2022/2023; Testing ongoing
through Winter 2022/2023

Section 3

Site preparation: Completed

Clearing & grading:

Clearing completed 2021;
Grading ongoing through Fall 2022

Pipeline assembly: Ongoing
through Winter 2022/2023

Section 4

Site preparation: Completed

Clearing & grading:

Clearing completed Fall 2020;
Grading completed Summer 2021

Pipeline assembly:

Completed Spring 2022;
Testing completed Spring 2022

Section 5

Site preparation: Completed

Clearing & grading:

Clearing completed Spring 2022;
Grading ongoing through 2022

Pipeline assembly:

Ongoing through Spring 2023;
Testing ongoing through Spring 2023

Section 6

Site preparation: Completed

Clearing & grading:

Clearing completed Spring 2020;
Grading ongoing through Fall 2022

Pipeline assembly:

Ongoing through Winter 2022/2023

Section 7

Site preparation: Completed

Clearing & grading:

Ongoing through Winter 2022/2023

Pipeline assembly:

Ongoing through Spring 2023

Section 8E

Site preparation: Completed

Clearing & grading: Completed

Pipeline assembly: Ongoing through
Winter 2022/2023; Testing ongoing
through Winter 2022/2023

Section 8W

Site preparation: Completed 2021

Clearing & grading:

Ongoing through Summer 2022

Pipeline assembly:

Ongoing through Winter 2022/2023

▲ Wilde Lake Compressor Station

- Site rough grading: Completed in Fall 2020
- Piping installation: Ongoing until Fall 2022
- Electrical and instrumentation: Ongoing until Fall 2022

◆ Kitimat Meter Station

- Facility construction completed in Summer 2021

Updates as available at the end of September 2022. All schedules are subject to change.

Anticipated in-service in 2023

Construction on the Coastal GasLink Project is currently underway to meet our planned in-service date in 2023.



To keep up to date on construction progress on Coastal GasLink, sign up for our monthly **Construction Update** or visit our website at coastalgaslink.com.



Building an extraordinary legacy: today and for the long term

Coastal GasLink is creating an extraordinary legacy of safety and respect for communities and the environment.

Indigenous and local communities across the 670-kilometre project route are already benefiting from the project today while construction is underway. All of that is taking place while keeping the health and safety of all people and the environment as our top priority.

Coastal GasLink is delivering significant economic benefits to families in British Columbia today and for decades to come.



High-quality jobs
6,000+

jobs throughout construction



Employment and contracting
\$1.5 billion

in contract awards made to Indigenous and local businesses*



Property taxes
\$21 million

in annual property tax benefits after completion of construction**



Community investments
\$11+ million

invested in communities to date, investments that will continue throughout the life of the project

*Coastal GasLink acknowledges that the total dollar value of these contracts at award may not be the same as the total dollar value received as revenue share by the Indigenous partner.

**2020 estimate

Meeting the global demand for cleaner energy

It's estimated that natural gas exports facilitated by Coastal GasLink could reduce annual global CO₂ emissions by 60 to 90 million tonnes, which is roughly equivalent to removing up to 12 to 18 million cars off the road. Coastal GasLink will play a role in helping to reduce global greenhouse gas emissions.

Coastal GasLink will deliver natural gas to the LNG Canada facility in Kitimat. From there, it will be shipped to Asian markets, where coal-fired electricity is commonly used. This provides a unique opportunity for the province to help replace higher carbon-emitting fuels such as coal, with cleaner sources of energy.



LNG Canada's facility will produce LNG with the lowest amount of CO₂ emissions per tonne of LNG in the world today.

Protecting the environment

At Coastal GasLink, we are committed to achieving the highest standards of environmental protection during construction, and for the life of the project. The approved and fully permitted project is the result of extensive studies undertaken by highly specialized scientists, engineers and technicians, together with Indigenous community members.

We are working with local and provincial authorities and regional districts to implement management plans designed to protect the environment, respond to emergencies and minimize impacts on local infrastructure. Many of these plans have been developed with Indigenous and community feedback, including:

- ✓ **Environmental Management Plan**
- ✓ **Traffic Control Management Plan**
- ✓ **Emergency Response Plan**
- ✓ **Socio-economic Effects Management Plan (SEEMP)**

Protecting water bodies

At Coastal GasLink, we know that water is a highly valued resource. The protection of water is of the utmost importance to both the environment and the communities around us. Our project's 670-kilometre right-of-way crosses many bodies of water and we approach each one with the utmost care to prevent adverse impacts on the environment. Prior to construction, information was collected about water bodies along the route, including

environmental and technical assessments. Environmental assessments included studies of the aquatic environment such as water flow, bank stability, the quantity and quality of fish habitat, wildlife and vegetation.

Information gathered through the assessments, along with regulatory requirements, industry best practices, constructability considerations and economic feasibility was used to select the most appropriate crossing method for each unique water body.

To learn more about how Coastal GasLink approaches water crossings, visit coastalgaslink.com/sustainability/water-crossings/.

Did you know?

Coastal GasLink is being built using the safest, least disruptive construction methods and meets strict environmental and safety standards. Additional precautions are taken when crossing a road or under waterways. Thicker walled pipe and technically advanced crossing technologies are used under water to minimize environmental disturbance during construction and operation. Learn more by visiting CoastalGasLink.com.



Partnering with Indigenous and local communities

Coastal GasLink is committed to developing our project in a manner that reflects our core values of safety, innovation, responsibility, collaboration and integrity.

We value the culture, lands and traditions of Indigenous groups. That's why our team works closely with Indigenous communities throughout the life of the project. Since 2012, we've taken a collaborative approach to engaging and working with Indigenous communities to ensure long-term, valuable opportunities to create lasting benefits for their members. We're proud to have signed 20 agreements with elected Indigenous groups along the approved route. From pipeline concept, construction and operation, our respect for the land, culture and communities guides all of our decisions on Coastal GasLink.

One of the key ways we are doing this is through partnering with Indigenous communities to build and operate workforce accommodations, and to lead programming with our workforce in lodges. All of Coastal GasLink's workforce accommodation sites are operated by Indigenous-partnered businesses. In March 2022 we announced a historic milestone, signing

option agreements to sell a 10 per cent equity interest in Coastal GasLink to Indigenous communities along the project corridor. When exercised, these agreements will make these Indigenous groups owners and investors in this critical energy infrastructure, providing long-term economic benefits for years to come.

The **Community Workforce Accommodation Advisor (CWAA) Program** provides opportunities for Indigenous participation in workforce accommodation activities within their traditional territory. Advisors from neighbouring Indigenous communities promote understanding and respect for all residents within and around accommodations by:

- Ensuring a safe and respectful environment for all
- Promoting relationship building and transparency between Indigenous communities and Coastal GasLink
- Developing and implementing educational programming, cultural awareness activities, and recreational opportunities for residents



20 agreements are in place with elected Indigenous groups across the project route.



Denine Gosselin, CWAA Coordinator



Edward Tom is a Construction Monitoring and Community Liaison Advisor on the project and a valuable member of our team.

Did you know?

The **Construction Monitoring and Community Liaison program** provides opportunities for Indigenous community members to participate in construction within their traditional territory for the purposes of observing, recording and reporting on the implementation of construction activities.

Health & Safety is our number one value.

Our first priority is the health and safety of our workforce and their families, as well as our Indigenous partners and local communities along the project route.

More than 6,000+ workers are building the project, the majority of whom live in workforce accommodations designed to keep them safe, while also minimizing potential effects on local community services and infrastructure.



Safety for workers and communities

- Sites located near the pipeline route to reduce travel risks to workers and the public
- 24-hour on-site security
- Secure fencing to ensure controlled access to each site at all times and avoid wildlife interactions
- Zero-tolerance approach to possession or use of firearms, illegal drugs, and unacceptable behaviour resulting from alcohol or drug consumption



Respect for local communities

- Accommodation is designed with communities in mind, including siting and opportunities to encourage local economic benefits
- Indigenous Community Workforce Accommodation Advisors support a positive and respectful workforce culture
- Continuous engagement with Indigenous and local communities to provide up-to-date information and seek feedback to address issues and interests
- Self-sustaining sites to reduce potential strain on nearby community services



Keeping each other healthy

- Site-specific plans are in place for all active worksites, workforce accommodations, and transportation, in accordance with the latest government guidelines
- Access to 24/7 on-site medical service within workforce accommodations and at worksites to minimize the strain on local health infrastructure



Providing a home away from home

- Clean and comfortable private rooms
- Nutritious meals served throughout the day
- On-site amenities to encourage workers to remain on site – including laundry, internet, and other amenities



What we are building: pipeline and facilities

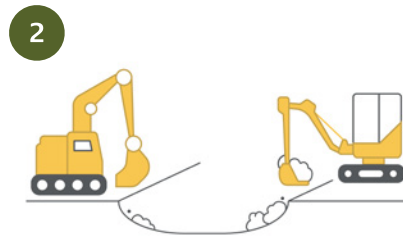
The 670-kilometre project is divided into eight construction sections and includes compressor and meter stations. Each section undergoes site preparation before construction. Construction is being carried out by our highly qualified prime contractors and their schedules are designed to enable crews to work in both summer and winter months.

Stages of pipeline construction



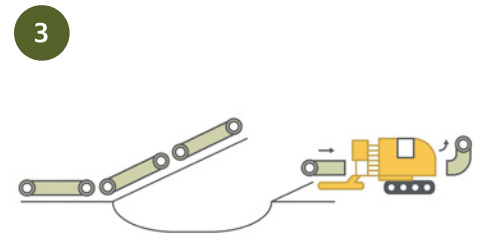
Clearing and grading

After crews identify and mark the pipeline right-of-way, the topsoil is removed and stored for future reclamation. The ground is then prepared to ensure the surface is level for construction equipment.



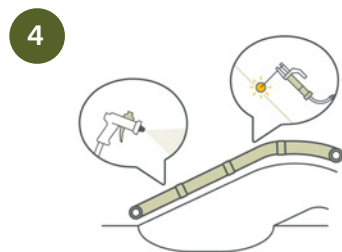
Trenching

Construction crews use backhoes or ditching machines to dig a trench for the pipeline.



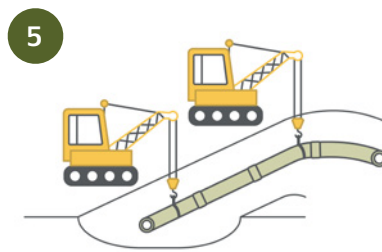
Stringing/bending

Pipeline crews line up sections of the pipe end-to-end along the edge of the trench. A machine bends the pipe to ensure it follows the route and contour of the land.



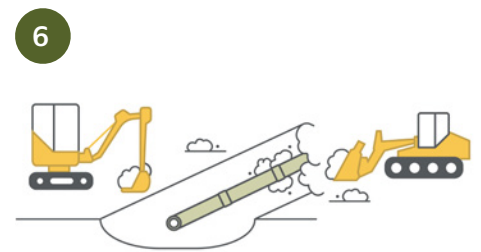
Welding/coating

Welders join the pipe segments together. Each weld is inspected and certified using X-ray or ultrasonic technology. Pipeline joints are coated with an anti-corrosion material and then the coating is inspected.



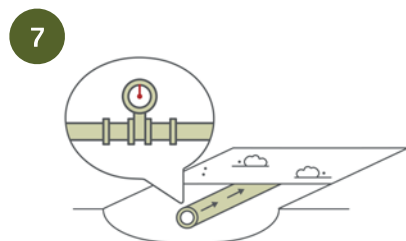
Lowering/tie-ins

Following careful inspection, a special crane lowers the section of welded pipe into the trench. A separate crew completes the final welds (tie-ins) connecting continuous lengths of pipeline.



Backfilling

The soil is returned to the trench and is replaced in the sequence it was removed to bury the pipeline. The land is prepared for reclamation.



Pressure testing

The pipeline is filled with water and pressurized to a level that exceeds the operating pressure of the pipeline, ensuring it's ready to transition safely to operation.



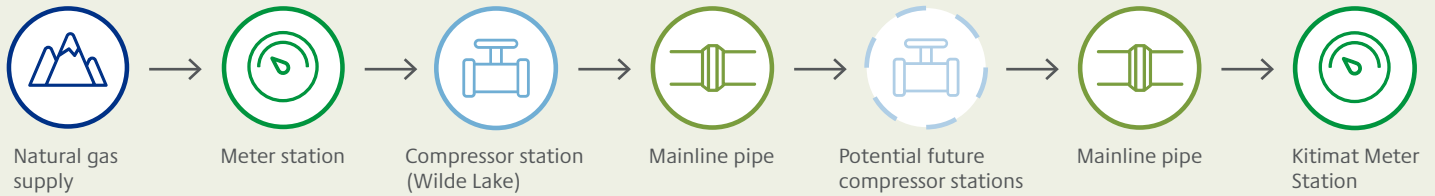
Cleanup/reclamation

Once testing is complete, the right-of-way is stabilized and the ground surface is contoured to reestablish original drainage patterns. The topsoil is replaced, allowing for the reestablishment of appropriate vegetation. The goal is to bring the land as close to the original state as possible.

Stages 2-5 are a part of mainline construction and can happen in different sequence depending on terrain and other factors.

About our facilities

Compressor and meter facilities are important pieces of infrastructure for a natural gas pipeline system that ensure natural gas moves through the pipeline safely and efficiently.



What is a meter station?

A meter station measures the amount of natural gas that enters and exits the pipeline. The pipeline will have two meter stations — at the Wilde Lake facility, where natural gas enters the pipeline, and at the Kitimat Meter Station, where gas leaves the pipeline. Construction of the Kitimat Meter Station was completed in August 2021. Should a decision be made about potential future increase in capacity, additional meter infrastructure could be constructed at the Wilde Lake and Kitimat facilities, as permitted as part of the project's Environmental Assessment Certificate (EAC).



Aerial photo of the Kitimat Meter Station



Aerial photo of the Wilde Lake Compressor Station

What is a compressor station?

The location and number of compressor stations needed on a pipeline system is dependent on a number of factors, including the operating pressure of the pipeline, the diameter of the pipe, elevation changes along the pipeline route and the volume of gas transported. Construction of the Wilde Lake compressor is currently underway. Should a decision be made about potential future increase in capacity, up to seven additional compressor stations could be constructed, as permitted in the project's Environmental Assessment Certificate (EAC).

About liquefied natural gas

Natural gas is one of the world's cleanest and safest energy sources.

What is natural gas?

- The cleanest-burning fossil fuel, often found in underground rock formations below the Earth's surface
- A naturally occurring gas mixture consisting primarily of methane, but may also contain other valuable products such as propane and butane
- Natural gas is not gasoline — a liquid made from refining crude oil, commonly used to fuel vehicles

What is LNG?

- Liquefied natural gas (LNG) is natural gas that has been converted to a liquid form for storage or transportation
- LNG is non-explosive, non-toxic, non-corrosive and does not mix with water or soil
- LNG takes up approximately 1/600th the volume of natural gas in its gaseous state
- LNG is condensed to a liquid by cooling it to approximately -162 degrees Celsius. It is transported on specially-designed LNG carrier ships, and then regasified following transportation

What is natural gas used for?

- Natural gas is used for a wide variety of purposes, most commonly as a fuel source for power generation, home heating and transportation
- We use natural gas to heat our homes, hospitals and businesses, and to cook our food
- Industry uses natural gas to fuel electric generators and fire steam boilers
- It is also used in manufacturing processes





Meet our prime contractors

Our highly qualified prime contractors meet our core principles for safety, environmental stewardship and engagement with Indigenous and local communities.

Our prime contractors are directly responsible for hiring up to 6,000+ workers over the four-year construction period, with a focus on giving first priority to competitive, qualified Indigenous and local businesses in northern B.C.

To learn more about potential employment and contracting opportunities, visit www.coastalgaslink.com/employment to connect directly with our prime contractors:



Surerus Murphy
Joint Venture



SA Energy Group



Nadleh Whut'en –
Macro Joint Venture



Michels Canada

In partnership with Atsiyan Services LP (Stellat'en First Nation), Kyah Development Corporation (Witset First Nation), Yinka Dene Economic Development Limited Partnership (Wet'suwet'en First Nation), Natanlii Development Corporation (Skin Tyee Nation), Hunust'ot'en Investment Corporation (Nee Tahi Buhn Band) and Ts'il Kaz Koh Development Corporation (Ts'il Kaz Koh First Nation)



O.J. Pipelines Canada

In partnership with Natanlii Development Corporation (Skin Tyee Nation), Yinka Dene Economic Development Limited Partnership (Wet'suwet'en First Nation) and Kyah Development Corporation (Witset First Nation)



Macro Spiecapag
Joint Venture



Ledcor Haisla



AECON Group Inc.

Invested in the long term

What matters to you, matters to us. That's why we are helping to build strong and vibrant communities along the Coastal GasLink project route.

As we move ahead with the project, we will continue to invest in initiatives that enable communities to thrive.

To learn more about our community investment program or to apply for a grant, please reach out to our community relations team or visit CoastalGasLink.com



Since project development started in 2012, we have invested more than \$11+ million in community initiatives.

Keep in touch and learn more

We want to make sure you have access to the information you need about the project. Here are the many ways you can reach out, and learn more:



Visit our website:
CoastalGasLink.com



Email us:
coastalgaslink@tcenergy.com



Follow us on Facebook:
[@CoastalGasLink](https://www.facebook.com/CoastalGasLink)



Follow us on Twitter:
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Sign up to receive our newsletter and Construction Updates:
CoastalGasLink.com/contact



Visit our community office:
Prince George
201 - 706 Kinsmen Place

Coastal GasLink

