Tilbury Phase 2 LNG Expansion Project overview

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Presenters

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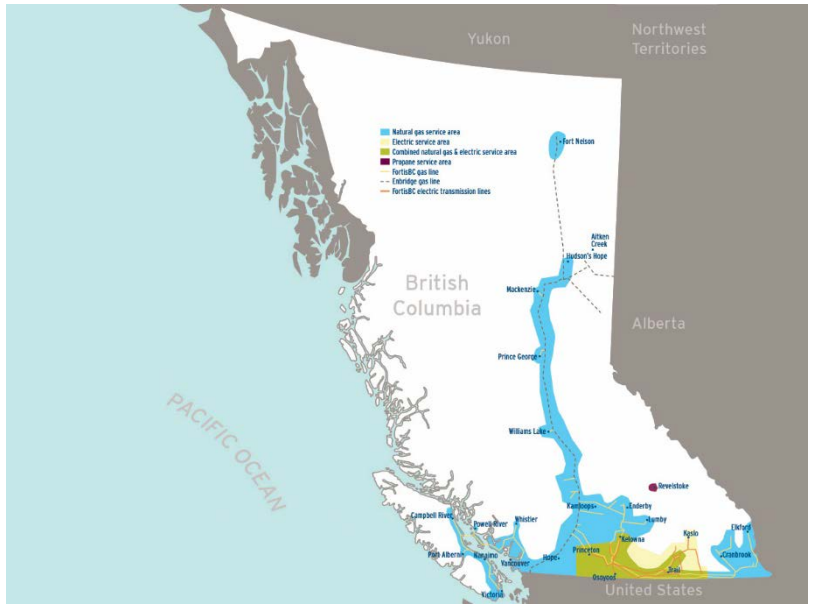
FortisBC overview



- Canadian-owned, B.C. based
- More than 2,400 employees
- Diversified energy supplier of natural gas, hydroelectricity, propane and thermal energy
- 1.2 million customers

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30BY30 and our Clean Growth Pathway

Energy efficiency

Renewable Natural Gas

Global LNG

Zero and low carbon transportation

What is LNG?

Lowering emissions with LNG

By connecting Tilbury to BC’s power grid, we’re producing LNG with among the lowest carbon intensity in the world

LNG from Tilbury can reduce greenhouse gas emissions by up to **50%** for industrial customers switching from coal for energy.

LNG from Tilbury can reduce greenhouse gas emissions from ships by up to **21%** and reduce particulate matter by up to **99%**

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Tilbury LNG overview

- In operation since 1971
- Producing LNG for transport customers since 2009
- Producing LNG for overseas customers since 2017
- Storage and liquefaction expansion commissioned in 2018

Indigenous and Stakeholder engagement

FortisBC has been consulting with municipalities, provincial and federal governments, Indigenous groups, the public and other parties on the proposed Tilbury LNG facility since 2012.

Engagement Principles
- Timely and relevant updates
- Solicit and incorporate feedback
- Understand expectations and preferences
- Accessibility

Changing Realities
- COVID-19
- Extensions
- Virtual engagement

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Tilbury Phase 2 Project overview

Phase 2 expansion objectives

Improve gas system resiliency

Grow marine use and exports for BC LNG

Phase 2 expansion components

LNG storage tank: Up to 162,000 cubic meters (approx. 4 petajoules)

LNG production: Up to 11,000 tonnes per day (~3.5 million tonnes per annum)

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Ancillary components

Natural gas receiving

- Existing FortisBC pipelines and right of way will be used to bring natural gas to the Project site.
- Additional distribution infrastructure will be needed on site

Supporting infrastructure

- Permanent facilities including administrative, electrical, chemical storage and water systems
- Temporary construction components

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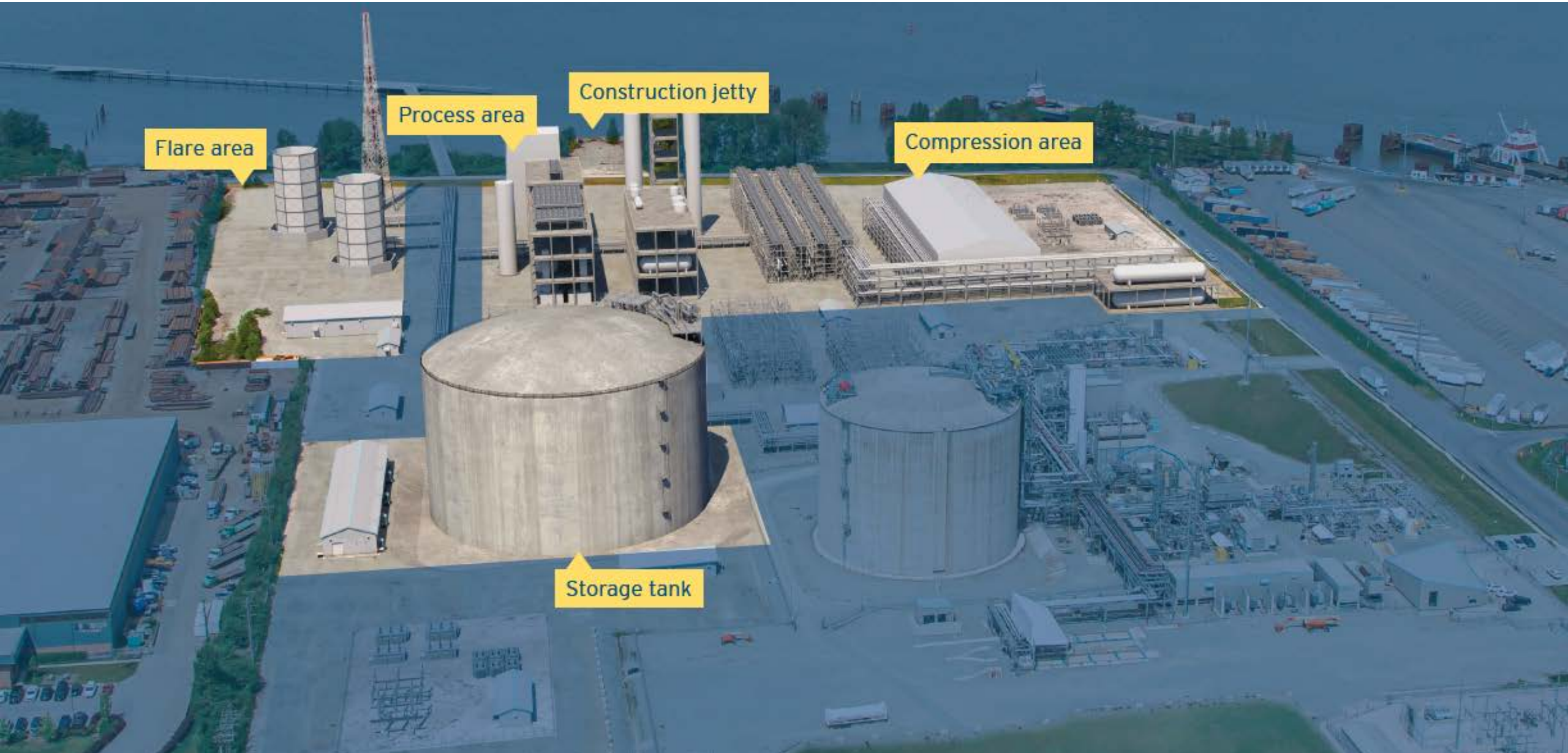
Preliminary Phase 2 expansion layout



Preliminary Project Schedule

Task / Milestone	Timing
Submit IPD and Engagement Plan	February 2020
COVID-19 extension request	60 days (before start of Public Comment)
Submit Detailed Project Description	Q4 2020
Submit draft Assessment Application	Q2 2021
Submit final Assessment Application	Q3/Q4 2021
Synchronous/concurrent Permitting	Late 2021 and 2022
Anticipated EA Certificate/Approval	Q1/Q2 2022
Begin Final Engineering and Construction	2022
LNG Storage Tank In-Service	2024/25
Phase 2 Liquefaction In-Service	2024 to 2028

Physical Environment

- Site located between Fraser River and Tilbury Slough
- The site is drained by a series of drainage ditches
- A dyke maintained by the City of Delta is between the Fraser River and the site
- Construction will occur primarily in upland areas away from river and slough except for use and potential upgrades of a temporary construction jetty

Biological Environment

- Most vegetation was removed during historical site development
- Wildlife habitat, water features and fish habitat are limited
- A small, wetland with amphibian habitat is present on the site
- Fish rearing habitat is present in riparian area next to the site
- Fraser River estuary is known to support 78 species of fish
- Consideration for riparian vegetation, fish and wildlife habitat will be required for use and potential upgrades to the temporary construction jetty

Atmospheric Environment

- Short-term increase in noise, light, dust, and air emissions is expected during construction
- Noise, air quality and greenhouse gas modelling will determine potential effects during operations
- Noise and light impacts will be considered during design
- Equipment selection will consider air and greenhouse gas emissions to comply with 30BY30 target
- Metro Vancouver Air Permit will also be required

Economic, Social, Heritage and Health

- Wide range of economic benefits anticipated
- Increase in local traffic expected during construction
- Socio-economic effects on housing, infrastructure and services will be evaluated
- Additional archaeological investigations are underway
- Health effects could include short-term increases in noise, air emissions and dust during construction
- Noise and air quality assessments will be conducted to determine potential health effects during operations

Visual Quality

Rendering of potential full buildout of Phase 1 and Phase 2 expansions

- Site is in an industrial area
- Visible from Fraser River and other areas within Delta and Richmond
- New buildings will be similar in design to existing
- Building design and placement of project components is in progress

Facility safety

- Double-walled steel storage tank
- Spill containment systems
- On-site fire control
- Automatic and manual shutdown systems

Project benefits

- Hundreds of jobs during construction
- **110** long-term jobs during project operation
- Spinoff economic benefits for local businesses in construction, engineering and marine
- Local and Indigenous training opportunities
- Additional tax revenue for Delta, provincial government

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Thank you

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For further information, please contact:

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