

# FortisBC: Energy at work for Delta

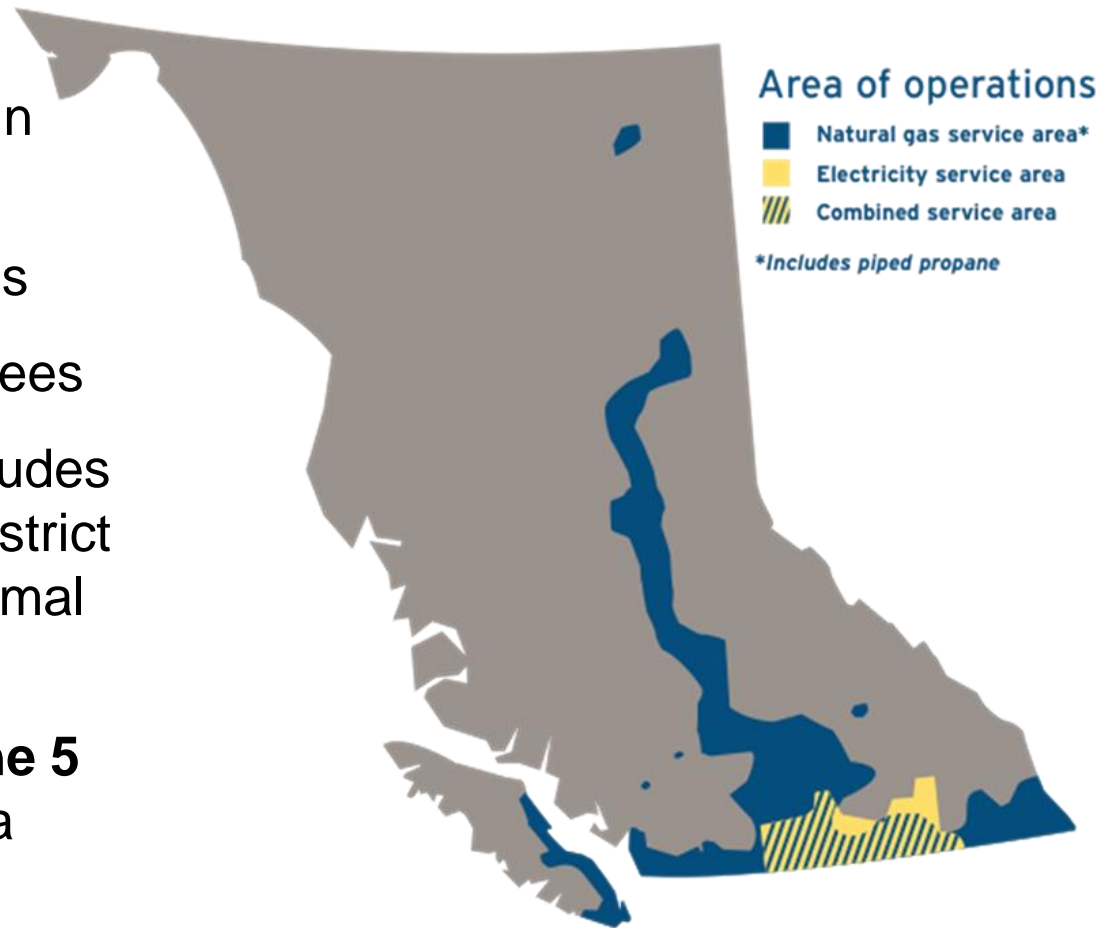
Jo Hunton-Sehdev,  
Community and Aboriginal Relations Liaison

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# FortisBC: Company overview

- Approx. **1.1 million** customers
- Serves **56** First Nations in **91** communities
- Serves **135** municipalities
- More than **2,200** employees
- Energy portfolio that includes electricity, natural gas, district energy systems and thermal energy solutions
- Own and operate **2 of the 5 LNG facilities** in Canada
- **100% Canadian owned**



# Conservation and Energy Management



# New energy efficiency program for Delta



Introduced an outreach program to the community of Delta

Encourages residents to participate in an energy efficiency program based on a small behavioral changes.

Small changes help to save money and reduce GHGs



# What is Renewable Natural Gas?

Biogas is generated from organic material

- Primarily consists of methane, typically 50% - 60%

## Potential Sources

- Anaerobic Digester Gas (from farm)
- Landfill Gas

## Demand is customer driven

- Fixed Percent available 5%, 25%, 50% or 100%
- Additional cost helps support local biogas projects
- Sign-up on [FortisBC.com](https://www.fortisbc.com)





# Tilbury LNG in Delta: \$400m expansion completion early 2017

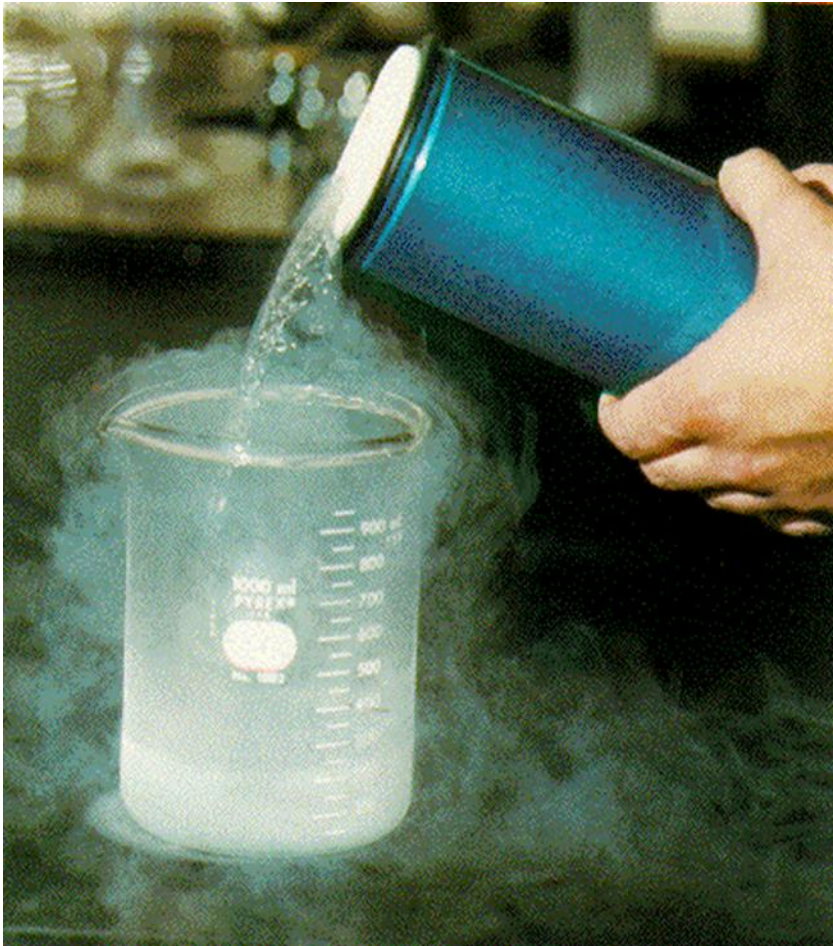


# Benefits to the community



- More than \$10 million spent in Delta
- Engaged 40+ local businesses
- 870 registered workers on site

# What is LNG?



- Natural Gas cooled until it condenses into a clear liquid.
- Stored at  $-162^{\circ}$  in a “thermos” like storage container.
- LNG takes up far less space
- LNG (the liquid itself) is not flammable or explosive.



# LNG from Tilbury goes to NWT, Van Isl.



- LNG supplied from our Tilbury facility will replace fuels such as diesel and oil
- Lower emissions by approx. 15-25%

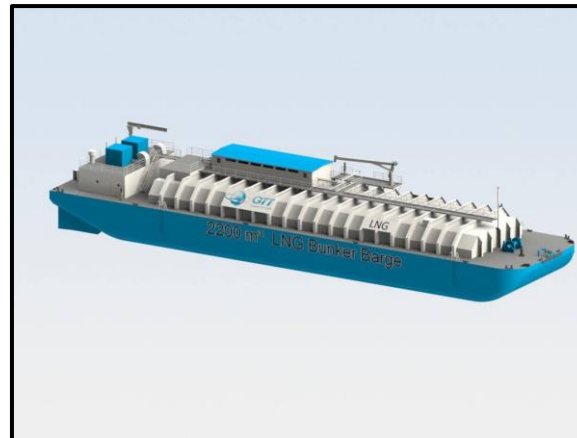


# Natural gas for transportation





# Natural gas for vehicles, marine vessels



# Environmental Benefits of LNG vs. Diesel



Up to 30% less Green House Gas emissions

Upper Fraser Valley



# Got a question about LNG ? – visit [talkingenergy.ca](http://talkingenergy.ca)

When will the FortisBC be hiring for the Eagle Mountain project?

[Read answer](#)

Asked by Mike G., Squamish

Why is the LNG site in Ladysmith in the middle of an 84-hectare site? Are there perimeter requirements for an LNG site or for an LNG export site? I was so very impressed with the Ladysmith site when I visited.

[Read answer](#)

Asked by Bonnie M., Mill Bay

Why are you expanding the LNG storage facility and dock on Tilbury Island in Delta, without a full and comprehensive study regarding a safety zone? Why, when everywhere else in the world they would not place such a facility so close to people?

[Read answer](#)

The existing storage tank at the Tilbury LNG facility has what appears to be a secondary containment barrier. Is this part of the original design? Is the new tank engineered and designed without visible secondary containment?

[Read answer](#)

Asked by Robert B., Vernon

Natural gas causes significant releases of methane and CO2. Will Fortis show climate leadership and go carbon neutral, and source more clean energy to help offset increases in Greenhouse Gas emissions?

[Read answer](#)

Asked by Tim S., Victoria

TransCanada is going to convert a gas pipeline to transport oil. Can FortisBC's Eagle Mountain gas pipeline become an oil pipeline?

If you export LNG to Hawaii, will you be transporting gas on LNG tankers under a Canadian flag with ship owners registered in BC?

[Read answer](#)

Asked by Igor, Vancouver

You mention shifting communities like Inuvik from oil to natural gas. Does FortisBC truck the natural gas to a distribution system in or near Inuvik?

[Read answer](#)

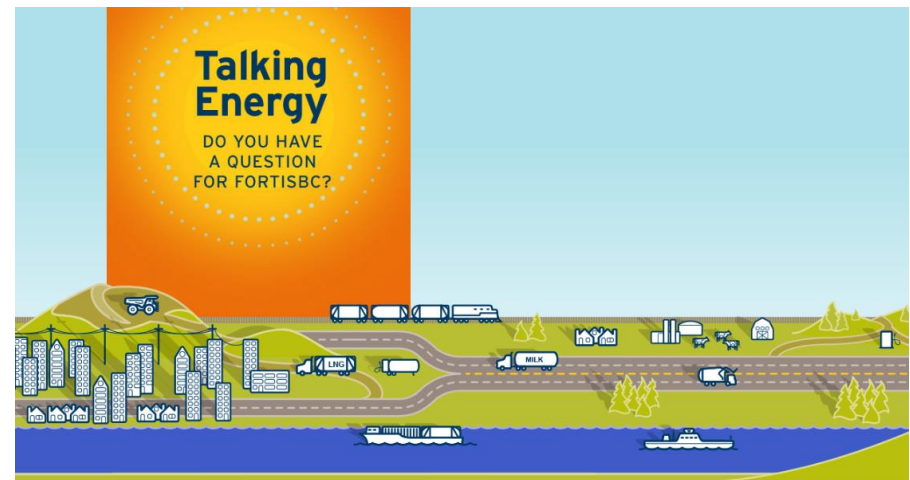
Asked by Steven H., Surrey

How will FortisBC minimize damage to ecosystems while bringing pipelines across streams for the Eagle Mountain project?

[Read answer](#)

Asked by Bryn J., Surrey

- Engage in two way dialogue
- Communicate project benefits
- Credible source of information on Natural Gas and LNG



## We're upgrading and expanding

Right now, we're making improvements to our energy systems in communities across BC, and we're proposing a natural gas pipeline expansion. This work will help us meet our residential and business customers' needs safely, reliably, and at the lowest possible cost.

# 2016 in your Community

Supported with funding or sponsorships

- Ladner Quit and Car Show
- Delta Trades and Technical Fair
- Delta Hospital Foundation
- Delta Chamber of Commerce – multiple events
- Reach Child Development Foundation
- Rotary Club Splash-park
- Delta Animal Shelter
- Tour de Delta
- Ladner Business Association
- Fire Fighters Trauma Pups





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