North Pine Facility and Product Pipelines Project



AltaGas

About

North Pine Facility and Product Pipelines Project 2017 As part of its integrated strategy, AltaGas continues to add liquid-rich gas processing infrastructure that provides producers with value-added services and the opportunity to move natural gas and natural gas liquids to new markets. AltaGas is developing and building a 40,000 Bbls/d natural gas liquids (NGL) separation and handling facility, located approximately 40 kilometres northwest of Fort St. John. The project will provide local producers with a new facility that is located close to producing zones and that has the capacity to process the NGL stream by separating it into its marketable components.

AltaGas started construction on the first phase of this Project, which includes a 10,000 Bbls/d NGL separation train, plus 6,000 Bbls/d of condensate terminaling capacity. Subject to a Final Investment Decision and sufficient commercial support from area producers, phase two would include a second 10,000 Bbls/d NGL separation train and expansion of the condensate terminaling capacity.

What is a natural gas liquids separation and handling facility?

Liquids-rich natural gas contains various NGLs: ethane, propane, butane and natural gas condensate that can be recovered and sold as separate products such as:

- \cdot Propane used for home heating, barbecues, portable heaters
- Butane used in cigarette lighters, refrigeration and gasoline additives
- Natural Gas Condensate used for refinery feedstock

By controlling the temperature and pressure of the NGL stream, the various liquids can be separated in sequence from the lighter (ethane) to the heavier (condensate) components. The proposed North Pine Facility will separate the components from the NGL stream that will have already been extracted from raw natural gas at gas plants elsewhere in the region.

Timeline	2015 2016					2017				2018
	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Stakeholder engagement										
OGC application submitted										
Facility permit received										
Geotechnical work										
Construction										

*Date ranges are approximate and subject to change

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ALTAGAS IS COMMITTED TO ENGAGING WITH LOCAL COMMUNITIES AND FIRST NATIONS EARLY IN THE PLANNING PROCESS, THROUGHOUT DEVELOPMENT AND DURING OPERATIONS.

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*Map not to scale

North Pine Facility

AltaGas has designed and permitted the North Pine Facility with two NGL separation trains, each capable of processing up to 10,000 Bbls/d of propane plus NGL mix (C3+), for a total of 20,000 Bbls/d, plus projected condensate (C5+) terminaling capacity of another 20,000 Bbls/d.

The North Pine Facility, located approximately 40 kilometres northwest of Fort St. John, British Columbia, will be connected to existing AltaGas infrastructure in the region and will have access to the CN rail network, allowing for the transportation of propane from the North Pine Facility to the Ridley Island Propane Export Terminal.

NGL will be delivered to the Facility by truck and by pipeline, and will then be separated, processed to meet sales specifications for each of the components and then shipped to sales destinations by rail, with some product being trucked to local markets. The Facility will also receive condensate that has been processed at upstream gas plants. This condensate will flow into storage at the Facility then be transported by rail or trucks to sales destinations. A rail trans-loading facility and a truck terminal, which will allow product to be transferred from one mode of transportation to another, will also be built at the Facility.

North Pine Product Pipelines

AltaGas is also building and will operate two 8-inch diameter pipelines, each approximately 40 kilometres in length, which will connect AltaGas' existing Townsend Tank Terminal to the proposed North Pine Facility. One pipeline will transport stabilized condensate and the other will transport NGL.

About AltaGas

AltaGas is an energy infrastructure company with a focus on natural gas, power and regulated utilities. AltaGas creates value by acquiring, growing and optimizing its energy infrastructure, including a focus on clean energy sources.