

Alaska LNG

Overview

December 6, 2013

Project Overview

Project Team

- BP, ConocoPhillips, ExxonMobil and TransCanada are working together to progress an Alaska LNG project:
 - 300+ people involved in project planning and design work
 - Multiple third-party contractors engaged, including Alaskans
 - Leveraging Denali, APP, and related material (\$700M past work)

Project Description

- Concept selection work to date:
 - Gas treatment plant located on the North Slope
 - An 800-mile, 42-inch diameter pipeline
 - Up to 8 compression stations
 - At least 5 off-take points for in-state gas delivery
 - Liquefaction plant and marine export terminal located in south-central region
 - **Lead site is Nikiski**
 - Preliminary capital investment: \$45-\$65B



LNG Plant and Marine Terminal Site Selection

- Lead Site – After evaluating more than 20 locations, the Project Team has identified a primarily industrial area near Nikiski.
- The Team has performed considerable technical work for both the location of the plant as well as the viability of Nikiski for LNG tanker operations.
- A Nikiski LNG plant site takes into consideration a pipeline route that provides access to natural gas for:
 - Fairbanks
 - Mat-Su Valley
 - Anchorage
 - Kenai Peninsula



Land Access

- Access to land is part of project development.
- Access to land allows further engineering and feasibility studies, including environmental, geotechnical, soils, groundwater and other research as necessary to confirm the LNG plant and terminal site selection.
- The exact parcels that we want to access are confidential. We do not have a specific timetable for completing the process.
- We hope that we will be able to reach an arrangement with the landowners in the areas we are interested in accessing.



Mark Jennings

Previous and Current Work

Key project design accomplishments

- Confirmed ability to integrate into existing operations
- Completed project design concept, announced Feb 2013
- Finalized LNG Lead Site



Field Studies

- Alaska LNG is now working to answer key technical questions to reduce uncertainty and continue advancing the project.
- The multi-year field work effort is underway. We are working to complete the 2013 program and are planning for the 2014 season.
- The primary scope of field work is to analyze existing environmental conditions along project footprint
 - Planning, logistics, and permitting to support survey work
 - Public and agency engagement to support survey work and ongoing project planning
- 2013 Summer Field work completed September 2013:
 - Cultural Resources: >6,500 acres
 - Hydrology / Lakes / Fisheries studied: 27 / 17 / 20
 - Subsistence and Health Impact Assessments starting this winter (2013/14)
 - 150 people involved in field studies (60% Alaskans)



- A successful Alaska LNG project would provide a host of economic benefits to Alaskans including:
 - State and local revenues
 - Short and long-term job opportunities
 - Business and industrial opportunities
- Commercializing North Slope natural gas through the Alaska LNG Project will provide Alaskans access to a cleaner burning and dependable energy source to supply ongoing in-state energy demand via five off-take points along the pipeline route.
- The off-take points would be decided following consultation with State officials and local utilities

Key Issues, Timing and Next Steps

Key Issues

- “Mega-project” challenges (labor, resources, equipment, schedule, etc.)
- Uncertainty related to permit timing and scope

Next steps

- Completing field studies in preparation for regulatory submissions
 - Winter Field Season 2013/14
 - Summer Field Season 2014
- More detailed engineering and design work for an LNG plant, marine export terminal, LNG tanker fleet, a pipeline and a gas treatment plant

Project timing

- Preliminary engineering and environmental studies within a 3-5 year timeframe (depending on regulatory approvals)
- After regulatory approvals are received and funding is secured, final engineering, design, procurement and construction may be completed in 5-6 years

Contact Us

- If you have questions or concerns, please call our Alaska toll-free number
- We will respond to you and put your name and address in our stakeholder database, which will give you the option to automatically receive project updates

Alaska LNG

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