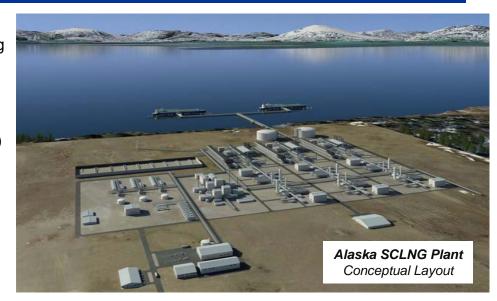
Alaska LNG Project

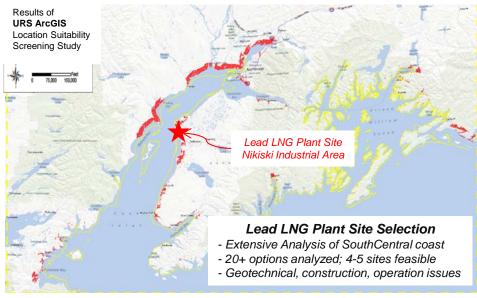
"Support Industry Alliance" Meeting Fairbanks, Alaska

October, 2013

Alaska SCLNG Project - Overview

- BP, ConocoPhillips, ExxonMobil and TransCanada are working together to progress an Alaska LNG project:
 - 300+ people involved in project design work
 - Current work \$68M+ spent to date
 - Multiple third party contractors engaged many Alaksan
 - Leveraging Denali, APP, related material (\$700M past work)
 - Preliminary capital estimate \$45-65 Billion (2011 dollars)
- Key project design accomplishments to date:
 - Integrated Basis of Design heat/material balance complete
 - Confirmed ability to integrate into existing operations
 - Completed project design, announced concept Feb13
 - Finalized lead LNG plant site decision, announced Oct13
- Completed 2013 Summer Field Season in Sep13:
 - Cultural resource assessment (>6,500 acres)
 - Hydrology / Lakes / Fisheries studied (37 / 17 / 20)
 - Traditional knowledge, subsistence, ethnographic surveys
 - 150 people involved, ~60% Alaskans
- Key project issues to address:
 - "Mega-project" challenges (labor, resources, equipment, etc)
 - Uncertainty related to permit timing / scope
 - Working commercial and fiscal issues with all parties, including the State of Alaska





PTU (62 miles east of PBU/GTP area)

- Initial Production System (IPS) project in progress 2016 SU
- Preliminary SCLNG design basis for PTU:
- Leverage IPS facilities, add fourteen new wells
- Add new gas facilities to existing central pad / facilities
- New 30" gas line from PTU to GTP in Prudhoe Bay
- Peak workforce 500-1,500 people

PBU Tie-in (adjacent to proposed GTP location)

- Installation / tie-in managed by Prudhoe Bay Operator
- Tie into existing CGF, deliver gas to new Gas Treatment Plant
- Gas project / deliveries tied to future PBU operations
- Preliminary plan is to inject CO₂ using existing injection systems as appropriate

PTU Field Layout



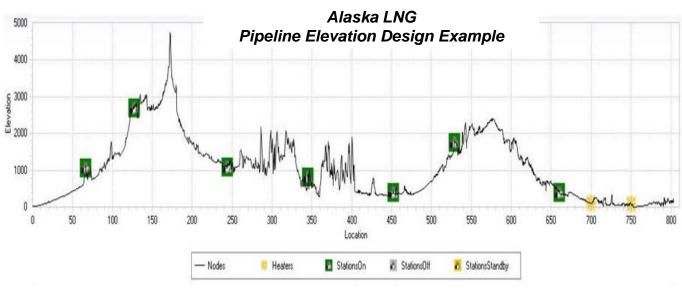
PBU Central Gas Facility Tie-in

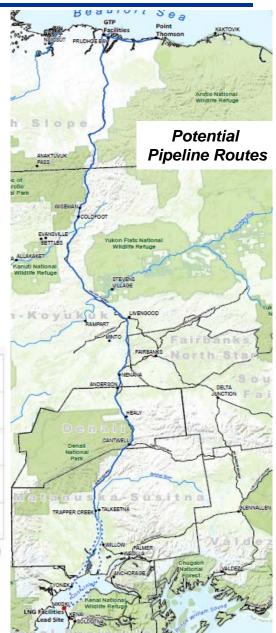


Alaska LNG Concept Summary - Pipeline

Gas Pipeline and Compression Stations

- 800+ mile 42" x80 pipeline
- 3-3.5 billion cubic feet gas per day
- Eight compressor stations (30kHP each)
- Pipeline contents will be treated gas, impurities removed at NS GTP
- Designed to manage continuous and discontinuous permafrost regions
- Expansion potential with additional compression if appropriate
- Refining route based on summer field information, continued design work
- Five off-take points for Alaska gas delivery
- Peak workforce 3,500 5,000 people





Work Product In Progress

SCLNG - Concept Summary - GTP / LNG Plants

NS Gas Treatment Plant

- Defined PBU integration for gas inlet, discharge
- · Designed to remove gas impurities
- Four amine trains with compression, dehydration and chilling
- Prime power generation (5 units, 54kHP)
- All required utilities, infrastructure and camps
- Facility will be modularized, sealifted to location
- Peak workforce 500-2,000 people

LNG Plant, Storage and Marine Facility

- Three 5.8 million tons per annum (MTA) LNG trains (17-18MTA)
 - Plant receives 2.2 2.5 billion cubic feet per day to liquefy
 - LNG production varies with ambient temp (4.9 6.3 MTA)
 - Small volume of stabilized condensate (~1,000 bbl/day)
- Integrated utility system with all utilities on site
- Three 160,000 cubic meter LNG storage tanks
- Conventional jetty with two berths (15-20 LNG Carriers)
- Peak workforce 3,500 5,000 people for LNG plant
- Peak workforce 1,000 1,500 people for marine facility
- Evaluating modularization to manage risks

NS Gas Treatment Plant



LNG Plant and Storage











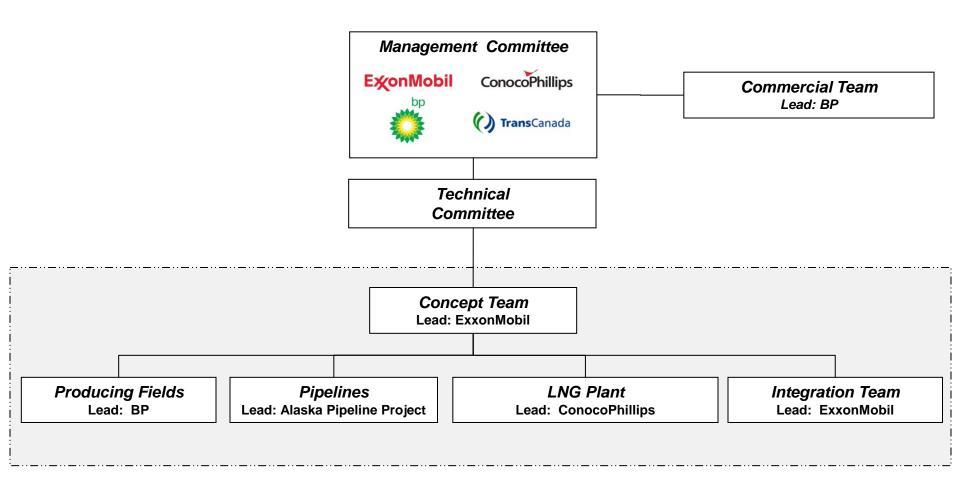
Alaska LNG Project

Back-Up Material

Attachments to Oct-12 Letter to Governor Parnell

Attachment 1

Southcentral Alaska LNG – Integrated Team



Multimillion Dollar, Four-Company Effort – 125+ Employees, 100+ Contractors

- Joint work commenced March 31, 2012 after completion of the Pt. Thomson Settlement / joint work agreements
- •Cooperative effort among the leading North Slope producers and a leading North American pipeline company
- •Identified potentially viable LNG project options to monetize ANS natural gas
- •Used company strengths, shared information / expertise; built upon past efforts, sought out new ideas

Attachment 2

Alaska Southcentral LNG – Project Concept Description

Liquefaction Plant

Capacity: 15 – 18 million tonnes per annum (MTA)
 3 trains (5-6 MTA / train)

• Potential areas: 22 sites assessed in Cook Inlet, Prince

William Sound and other Southcentral sites

• Footprint: 400 - 500 acres

• Peak Workforce: 3,500 - 5,000 people

• Required Steel: 100,000-150,000 tons



Storage / Loading

- LNG Storage Tanks, Terminal
- Dock; 1 2 Jetties
- Design based on 15-20 tankers
- Peak Workforce: 1,000-1,500 people





Gas Treating

- Located at North Slope or Southcentral LNG site
- Remove CO2 and other gases and dispose / use
- Footprint: 150 250 acres
- Peak Workforce: 500 2,000 people
- •Required Steel: 250,000 300,000 tons
- Among largest in world



- •~35 TCF discovered North Slope resource
- Additional exploration potential
- Anchored by Prudhoe Bay and Pt. Thomson with ~20 years supply available
- Use of existing and new North Slope facilities
- Confirmed range of gas blends from PBU/PTU can generate marketable LNG product
- Peak Workforce: 500 1,500 people



Pipeline

Large diameter: 42"- 48" operating at >2,000 psi
Capacity: 3 - 3.5 billion cubic feet per day

•Length: ~800 miles (similar to TAPS)

Peak Workforce: 3,500 - 5,000 peopleRequired Steel: 600,000 - 1,200,000 tons

•State off-take: ~5 points, 300-350 million cubic

feet per day, based on demand



Estimated Total Cost: \$45 – \$65+ Billion Peak Construction Workforce: 9,000 – 15,000 jobs

Operations Workforce: ~1000 jobs in Alaska

Attachment 3

Southcentral Alaska LNG – Work Plans / Key Decision Points

Requirements to Take Next Step:

PTU Settleme Joint Wo	ent, ork ents	and Use Achievable	Land Use Underway Commercial Viability FEED (Front-End Engineering & Design) Key Con Confirm Confirm Determine to Bright to	Permits / Land Use / Financing / Inmercial Agreements Commercial Viability EPC contracts Cision Lild the oject Construction
Peak Staf	fing: ~200	400 - 500	500 – 1,500	9,000 – 15,000
Cost (\$):	Tens of Millions	Hundreds of Millions	Billions	Tens of Billions
Est. Engineering / Technical Duration*:		12 - 18 Months	2 - 3 Years	5 - 6 Years
Activities	Range of technically viable options for major project components Business Structure In-state gas / export LNG demand	Progress: Preliminary engineering to refine concept Business structure Financing plan	Complete: Front-end engineering & design Major contract preparation Business structure Financing arrangements	Execute: Final engineering Financing Procurement Fabricate / Logistics / Construct Prepare for Operations
	Solicit Intere	st of Others	Solicit Interest of Others	
	Establish Government Support and Advance Regulatory Issues: Competitive oil tax environment; predictable / durable LNG project fiscal terms; AGIA Issues Assure ability to secure regulatory approvals / permits / land use Environmental activities / Technical data collection Stakeholder engagement File DOE Export License		Advance Gov't / Reg. Issues: Key permit / land use approvals Stakeholder engagement Secure DOE Export License	Complete Gov't / Reg. Issues: Secure remaining construction / operating permits Stakeholder engagement
		Start individual gas / LNG sales / shipping efforts	Execute individual gas / LNG sales / shipping agreements	Implement business structure & agreements
	Screen commercial viability	Assess commercial viability	Confirm commercial viability	Commission / start-up

^{*} NOTE: Duration of various phases may be extended by protracted resolution of fiscal terms, permitting and regulatory delays, legal challenges, changes in commodity market outlook, time to secure long-term LNG contracts, labor shortages, material & equipment availability, weather, etc.