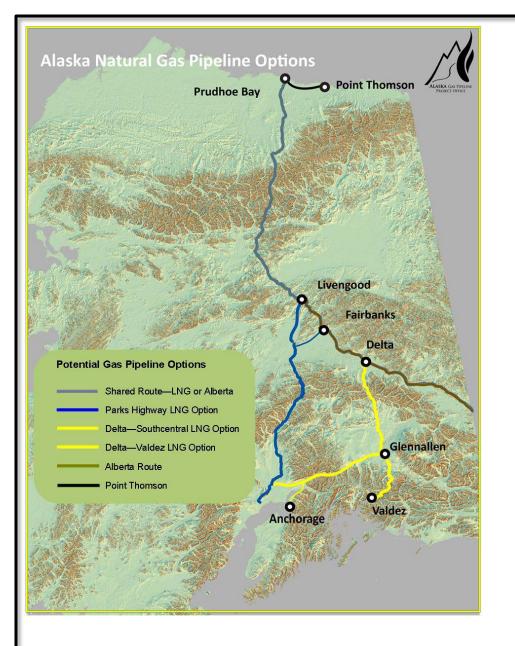


Alaska Gas Pipeline Project Office: FY2014 Overview & Budget Review

Joe Balash, Deputy Commissioner - Alaska Dept. of Natural Resources - February 25, 2013





Overview

- Mission & Core Services
- Accomplishments
- GPPO Current
 Activities Project
 Status
- Challenges and Results for FY14

Mission & Core Services



Facilitate permitting for an Alaska natural gas pipeline under AS 43.90, coordinate action by multiple state agencies to ensure prioritization of the natural gas pipeline project, and ensure compliance of the licensee under the Alaska Gasline Inducement Act.

Accomplishments & Current Activities

- ✓ Facilitate project alignment & concept selection
- ✓ Refine knowledge specific to LNG projects
- ✓ Monitor project progress & reimbursements to ensure terms of AGIA are met

- ✓ Provide project information to public and government agencies
- ✓ Work with APP to ensure orderly suspension of Alberta work while LNG option evaluated

Project Monitoring



- Continue to work with APP to develop midstream assets as part of an overall LNG Project
- Participate in monitoring meetings with APP and ANS Producers
- Coordinate and assist the Dept. of Revenue in review process re. the AGIA reimbursement

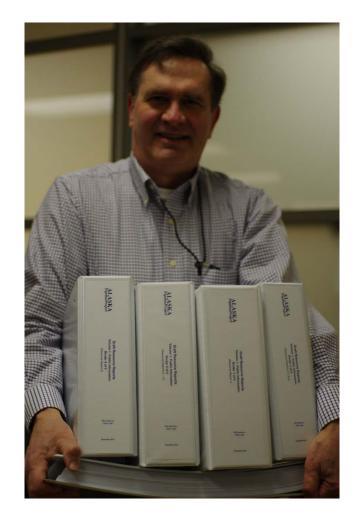
Refine knowledge on LNG Projects

- Work with DNR, Div. of Oil & Gas to analyze & increase understanding of an LNG Project in Alaska
- AK LNG Project = pipeline + liquefaction
- Integrating LNG export option under AGIA



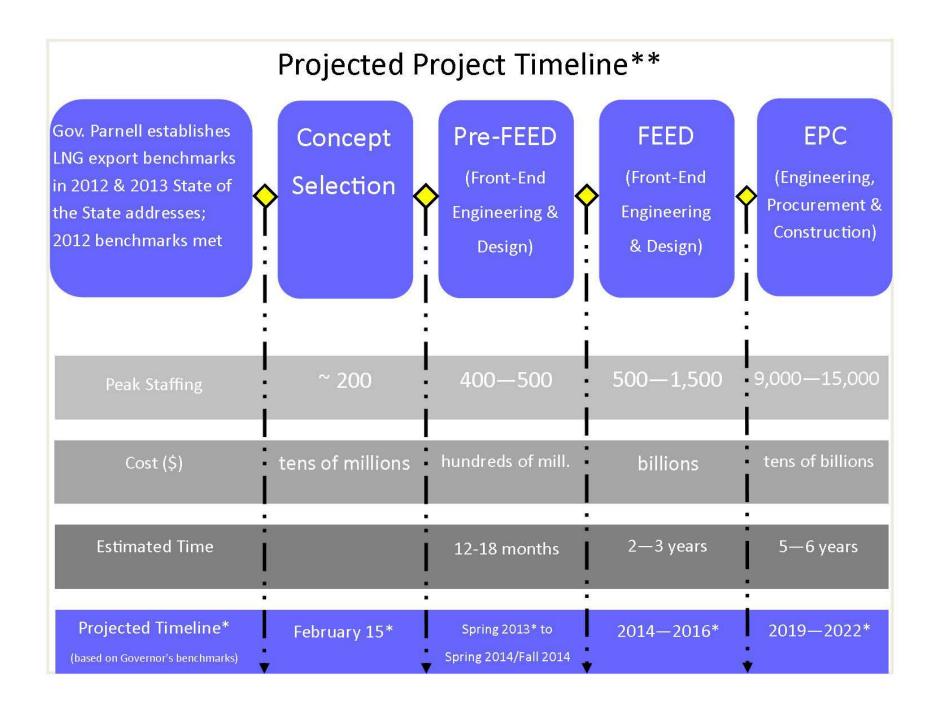
Preserve project data

- Monitor APP's efforts to close-out remaining work on Alberta option
- Preserve APP Draft Resource Reports and other data, acquired to date, applicable to an LNG project
- Ensure that option remains "<u>shelf-ready</u>" to preserve project optionality





Project status: progress on gas pipeline benchmarks



Alaska Southcentral LNG—Project Concept Description

Producing Fields

- . -35 TCF discovered North Slope resource
- Additional exploration potential
- Anchored by Prudhoe Bay and Pt. Thomson with ~20 years supply available

Peak Workforce: 500-1,500 people

Use of existing and new North Slope facilities Confirmed range of gas blends from PBU/PTU can generate marketable LNG product

Pipeline (location t/b/d)

- Large diameter: 42" 48" operating at >2,000 psi
- Capacity: 3-3.5 bill. Cubic feet per day Length: ~800 miles (similar to TAPS)
- Peak Workforce: 3,500-5,000 people
- Required steel: 600,000-1,200,000 tons
- State off-take: ~5 points, 300-350 mill. Cubic feet per day, based on demand

Liquefaction Plant (location t/b/d)

- . Capacity: 15-18 million tonnes per annum
- . 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

Gas Treating (location t/b/d)

- Located at North Slope or Southcentral LNG
- 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



Storage & Loading

(location t/b/d) LNG Storage Tanks, Terminal Dock; 1-2 Jetties

Design based on 15-20 tankers Peak workforce: 1,000-1,500 people

LNG by the numbers





Global LNG Projects that have reached Final Investment Decision (FID)**



Southcentral Alaska LNG



Key details at a glance:

ExonMobil





- . 3-3.5 billion cubic feet per day LNG export project to tidewater
- Five take-off points along pipeline, for in-state gas Three trains, exporting 15-18 million metric tons of LNG per year
- . LNG & gas treating plant locations TBD (22 sites under review)
- Estimated project cost is \$45-\$65 billion (in 2011 dollars)
 Peak construction work force: 9,000 to 15,000
- Permanent work force: 1,000-plus

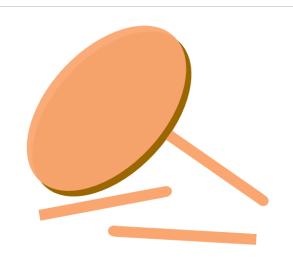






Anchorage, AK 99501-3510

Three legs for a successful project



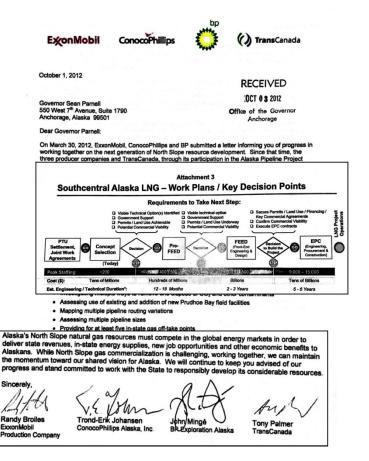


The three legs for any successful project:

- 1. Regulatory: includes permitting & NEPA process
- 2. Technical: includes engineering & design
- Commercial: includes producer alignment, interested customers, protecting important state interests, and fiscal stability

A one-legged stool just doesn't stand.

What's new – ANS Producer Alignment









We agree the next generation of North Slope resource development is achievable, working together with the APP parties, as well as with the State of Alaska. Thank you for your leadership and your confidence in us to take on these challenges. We join you in a vision of prosperity and promise. There is much work to do and opportunities yet to discover.

Sincerely,

Rex Tillerson Jim Mulva Bob Dudley

What's different – Expressions of interest from South Korea & Japan

"Members of my administration and I have undertaken an aggressive advocacy campaign throughout Asia, where liquefied natural gas demand is expected to soar in the coming years. Our goal was to put Alaska on the map as a liquefied natural gas supplier – and that is exactly what we have done.

We recently welcomed a South Korea delegation representing the largest LNG purchaser in the world. We also held discussions with a consortium of Japanese companies."

Governor Sean Parnell, State of the State address (January 19, 2013)

Challenges and Results for FY14

- Ensure SOA & Licensee fulfill obligations
- Facilitate cooperation b/w APP & ASAP projects
- Coordinate activities with federal agencies w/ jurisdiction over LNG, natural gas, midstream facilities and export licensing
- Facilitate project
 alignment b/w NS
 Producers, APP, and
 AGIA licensee for an LNG
 project to tidewater
- Continue to ensure availability of information to the public and government personnel

FY14 Requests

FY13 Management Plan Budget	
Operations Base Budget	\$550.8
Staff & Operations (one time item)	\$1,290.0
Contractors & Consultants (one time item)	\$1,150.0
General Operations Budget	\$2,990.8
Plus Estimated Carry-forward of Gasline ROW (multi-year)	\$1,147.5
	\$4,138.3
FY14 Governor's Budget Request	
Operations Base Budget	\$550.8
Staff & Operations	\$1,290.0
Contractors & Consultants	\$1,150.0
Salary/Health/Core Service Base Increase	\$7.0
General Operations Budget	\$2,997.8
Plus Estimated Carry-forward of Gasline ROW (multi-year)	\$1,147.5
	\$4,145.3

FY14 Requests (Continued)

- Staff and Operations
 - Maintain the current staff level to adequately support and facilitate the permitting process for the Alaska Pipeline Project
- Contractors & Consultants
 - Retain outside experts and consultants for: continued gas pipeline analysis including acquisition of baseline data, pipeline engineering (practices and analysis) and design, engineering and operation, enforcement, remedies, and off-ramps for the licensee and state as well as technical licensee reimbursements audit support.



Thank You! http://gasline.alaska.gov