

# Alaska LNG Project Overview

## State ROW Public Hearings

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Frank Richards, P.E.  
President, AGDC  
February 2021

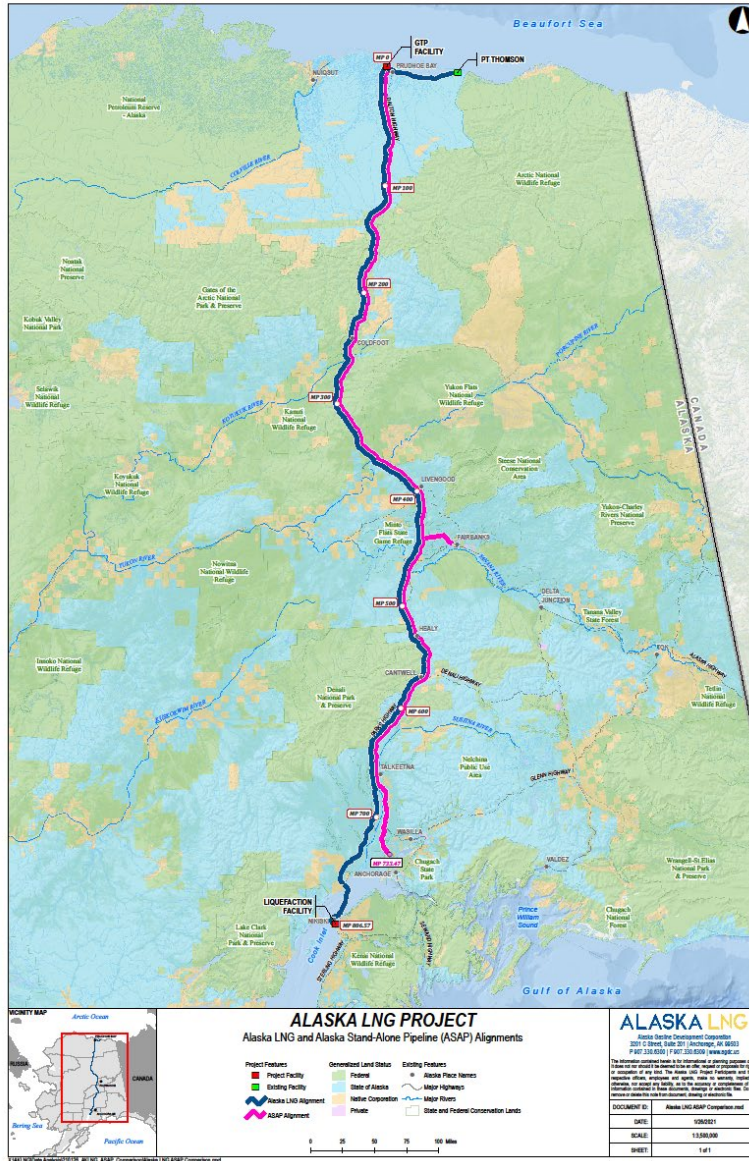


# Who is AGDC?

The Alaska Gasline Development Corporation (AGDC):

- Independent, public corporation owned by the State of Alaska
- Created by the Alaska State Legislature
- Lead party for the Alaska Standalone Pipeline (ASAP) project
- Currently lead party for developing the FERC-authorized Alaska LNG Project
  - Goal: Maximize the benefit of Alaska's vast North Slope natural gas resources through the development of infrastructure necessary to move the gas to local and international markets

# Alaska LNG and ASAP Alignments

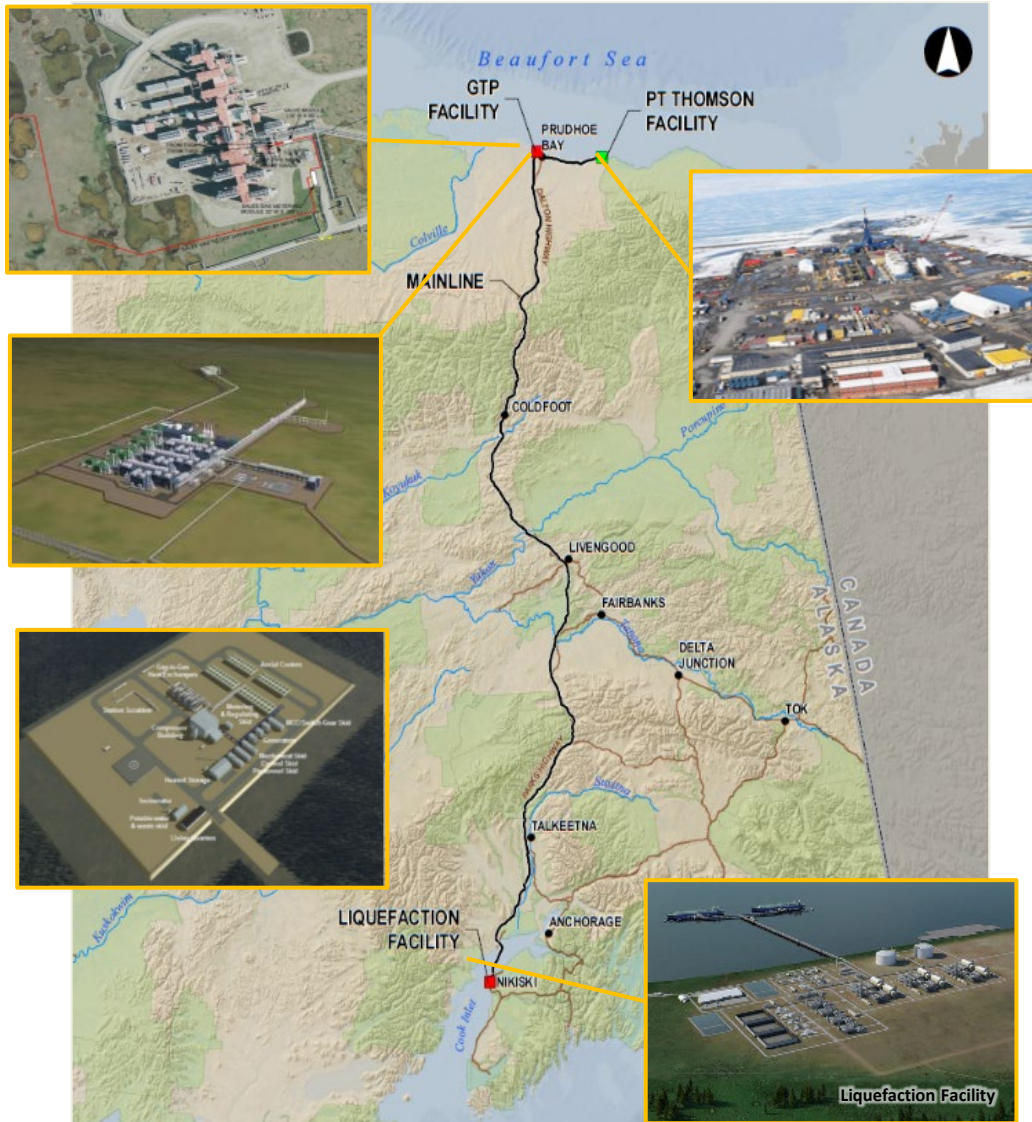


AGDC has existing lease for ASAP Project

Pipeline routes are almost identical



# Alaska LNG Project - Overview



## Producing Fields

- ~35 TCF discovered North Slope resource
- Anchored by Prudhoe Bay and Point Thomson for 20 years
- Confirmed use of existing North Slope facilities
- Peak Workforce: 500-1,500 people

## Gas Treatment Plant

- Located at North Slope
- Remove CO<sub>2</sub> / H<sub>2</sub>S; Compress for re-injection
- Footprint: 150 - 250 acres
- Peak Workforce: 500-2,000 people
- Required Steel: 250k-300k tons

## Pipeline

- Large diameter: 42" operating at >2,000 psi
- Capacity: 3.3 billion cubic feet per day
- Length: ~806 miles (similar to TAPS)
- Peak Workforce: 3,500-5,000 people
- Required Steel: 600k-1,200k tons
- State off-take: 250-500 MCF/d

## Liquefaction Plant

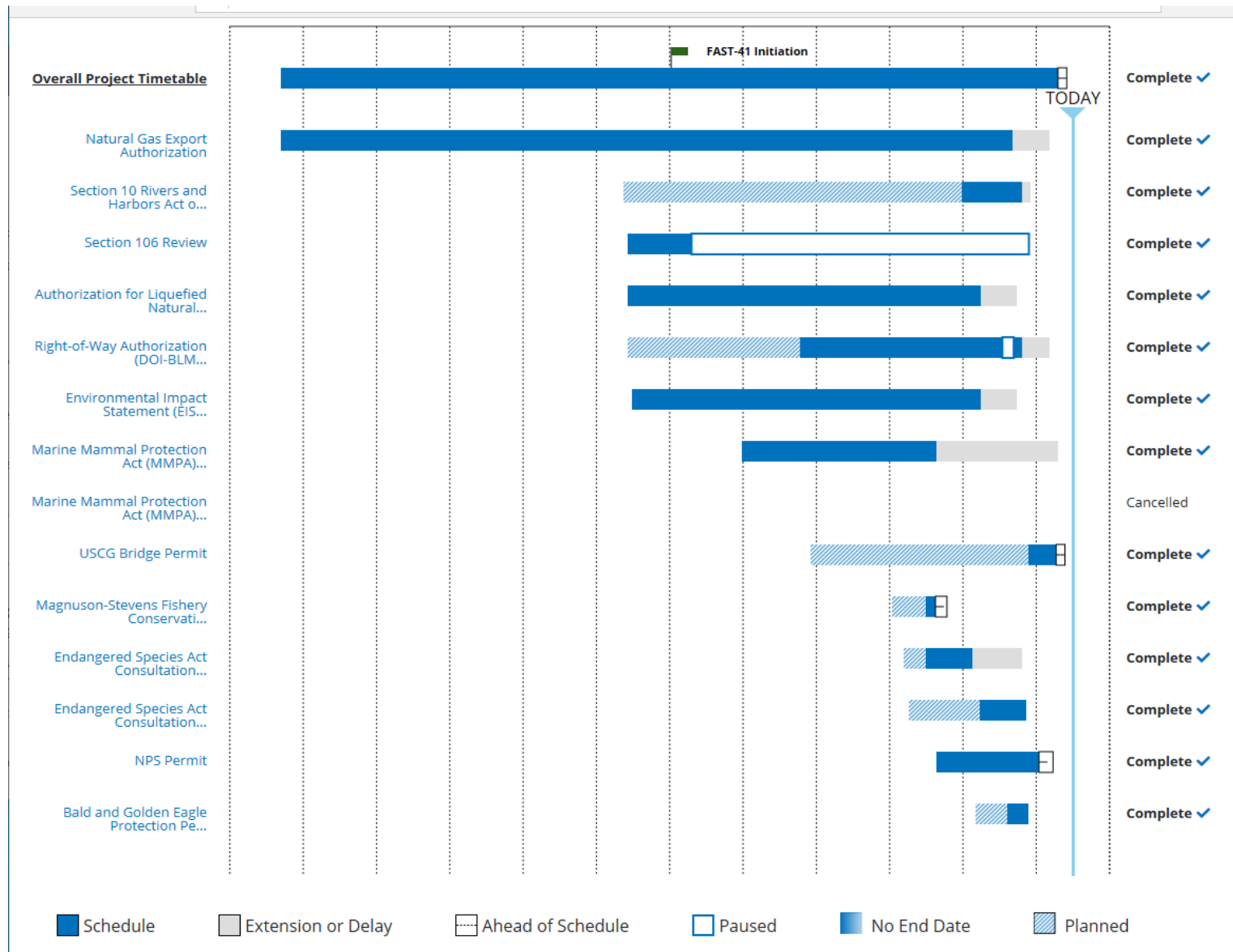
- Capacity: up to 20 MTA
- 3 trains (6.67 MTA/train)
- Footprint: 640-1,000 acres
- Peak Workforce: 3,500-5,000 people
- Required Steel: 100k-150k tons

## Storage / Loading

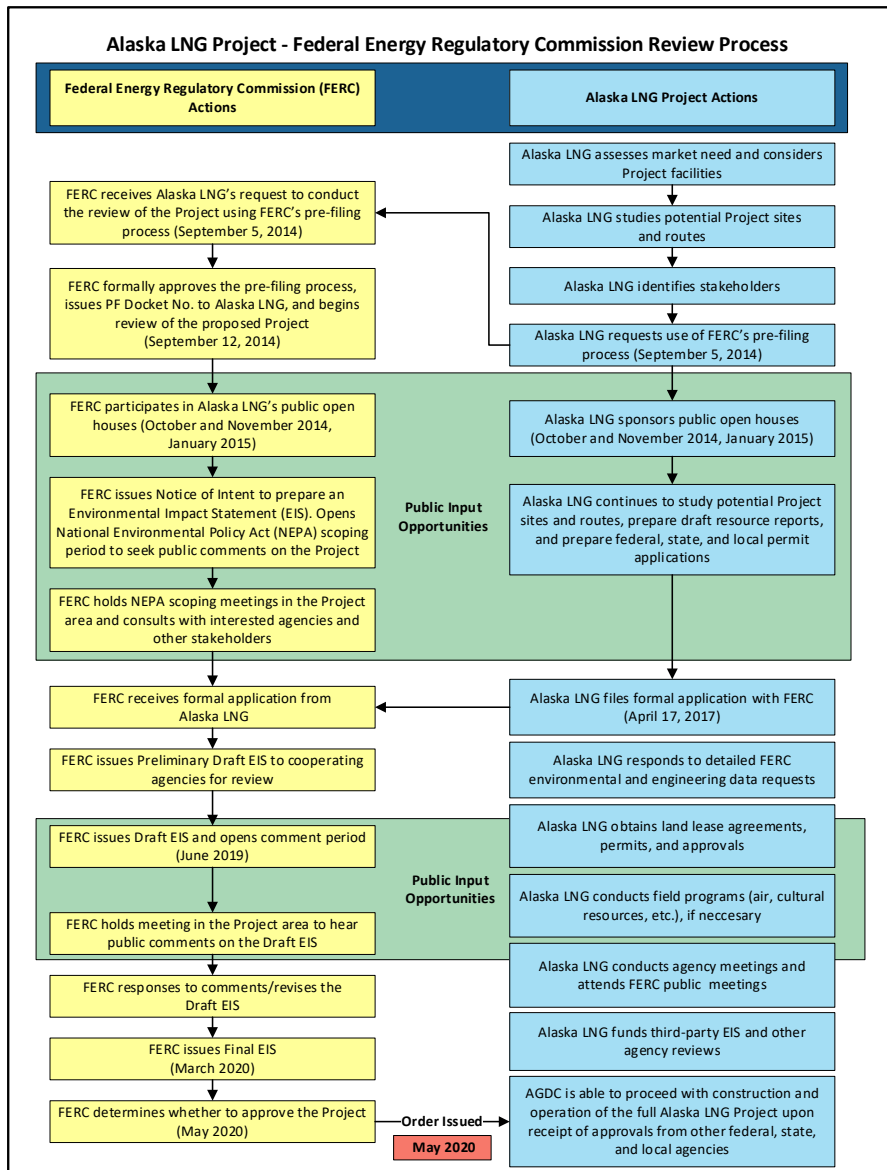
- Terminal: 2 x 240,000 m<sup>3</sup> LNG Storage Tanks
- 1 loading jetty with 2 berths; 15-20 tankers per month
- Peak Workforce: 1,000-1,500 people

- Completed
  - Federal Energy Regulatory Commission (FERC) Final Environmental Impact Statement and Order
  - Federal ROWs: Bureau of Land Management, National Park Service
  - All 35 Major Federal Permits & Authorizations Completed
  - Alaska DEC Air Permit for the Gas Treatment Plant (GTP)

# FAST-41: Fully Complete



# FERC Review Process Diagram



## Federal Energy Regulatory Commission (FERC): Lead Agency

### Six Year Process

- Started in 2014

### Iterative

- Initial application
- Requests for information
- Over 150,000 pages of material submitted

### Conclusion

- FERC Order issued May 2020

# Major Permit & Authorizations

- Remaining:
  - Alaska DNR ROW Lease (This Public Hearing)
  - Alaska DEC Air Permit for the Liquefaction Facility
  - Cultural Resource Management Plan
  - Shorter Lead Time State and Local Permits Prior to Construction



# Alaska LNG Project – Positive Impacts

## NEW SOURCE OF REVENUE:

The Alaska LNG project will generate a recurring new source of state revenue from royalty and production taxes on the natural gas produced.

## JOBS FOR ALASKANS:

Alaska LNG will create 12,000 construction jobs and 1,000 permanent operational jobs. A significant boost for Alaska's highest-in-the-nation unemployment.

## LOWER ENERGY COSTS:

Alaska has some of the steepest residential and commercial energy costs in the nation. Bringing North Slope gas to Alaskans will result in lower prices.

## RESOURCE DEVELOPMENT:

Alaska LNG will drive significant infrastructure investment and economic development across numerous Alaska industries, including mining, oil & gas exploration, transportation, tourism, and fisheries.

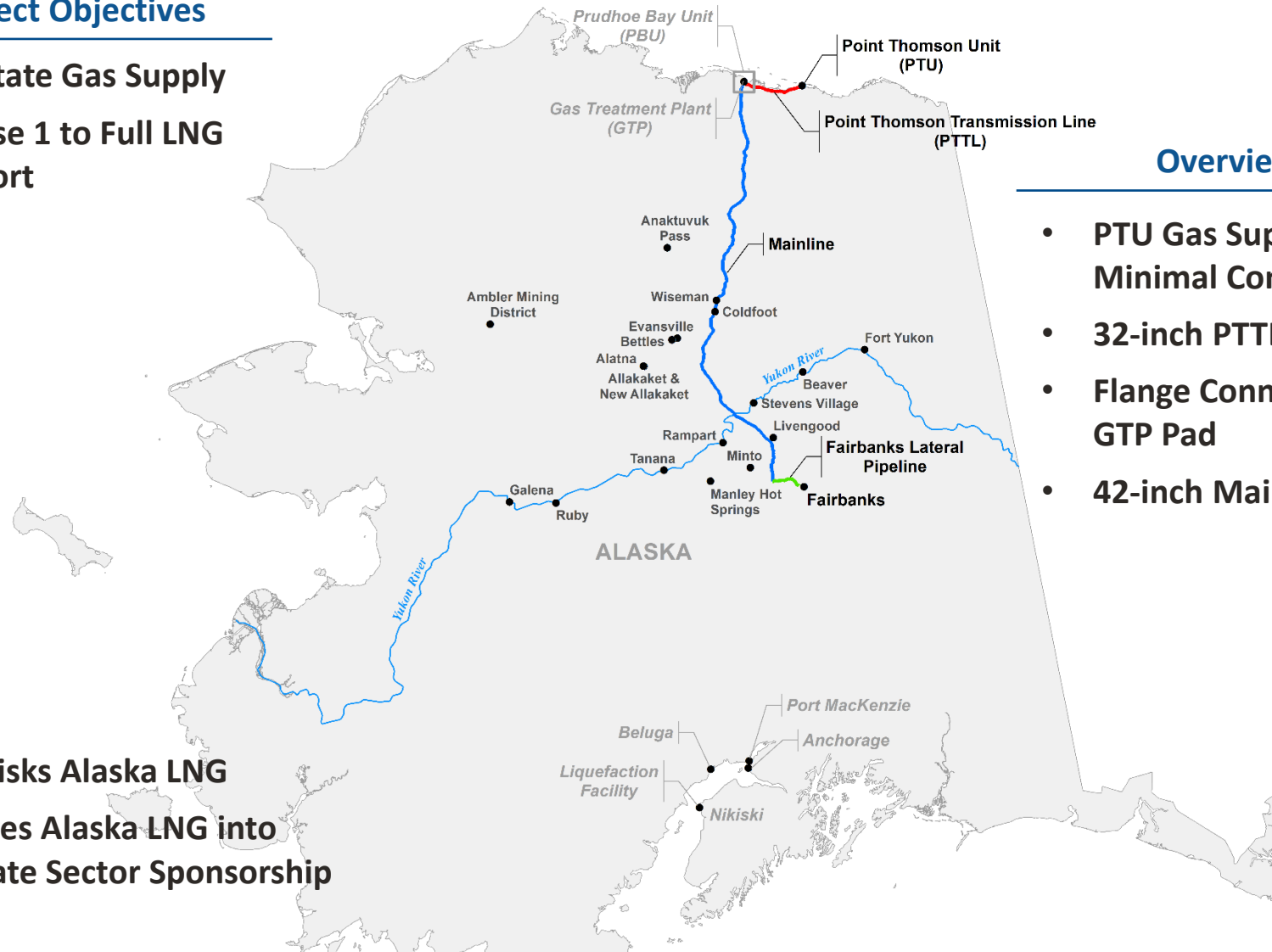
## CLEANER ENVIRONMENT:

Natural gas will reduce emissions for Alaskans suffering from air quality problems stemming from wood, diesel, and other high-emission sources of energy and heat.

# Phase I - Infrastructure Opportunity

## Project Objectives

- In-State Gas Supply
- Phase 1 to Full LNG Export
- De-risks Alaska LNG
- Moves Alaska LNG into Private Sector Sponsorship



## Overview

- PTU Gas Supply with Minimal Conditioning
- 32-inch PTTL
- Flange Connection at GTP Pad
- 42-inch Mainline

- Propels a near-term economic recovery for Alaska:
  - ✓ \$1.5 billion impact in first 24 months
  - ✓ 1,400+ high-paying direct jobs
  - ✓ 20,000+ indirect jobs
- Immediate benefit to hardest-hit service industries (e.g., restaurants, hotels, transportation, etc.)
- Delivers natural gas to Interior Alaska in 2025
- The private sector would build, own, and operate

- Completing major permits and approvals
- Working with private-sector investment partners and seeking Federal infrastructure funds
- Encouraging Alaskans to rally behind the project that will bring positive impacts to Alaska for generations



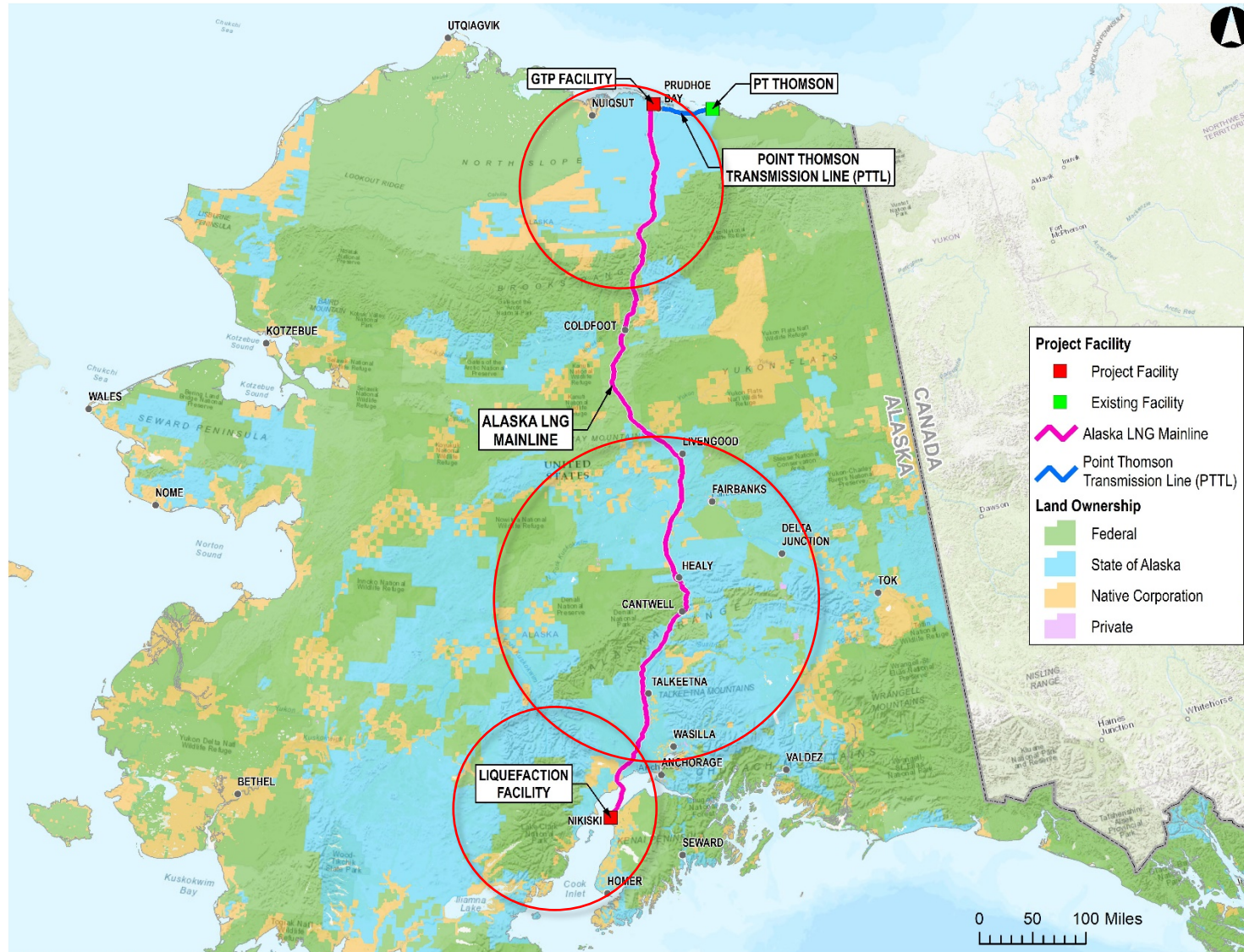
ALASKA  
GASLINE  
DEVELOPMENT CORP.





# Alaska LNG Project Overview

## State of Alaska Land Ownership



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