

ALASKA  
**GASLINE**  
DEVELOPMENT CORP.



# ***ALASKA – A RESOURCE OPPORTUNITY FOR ASIA***

***TRANSFORMING ALASKA NATURAL GAS  
INTO A STRATEGIC PARTNERSHIP  
FOR THE ASIA-PACIFIC REGION***



[www.agdc.us](http://www.agdc.us)



# ALASKA'S NATURAL GAS INFRASTRUCTURE AND LNG EXPORT

Alaska holds America's largest concentration of proven, conventional, but stranded natural gas supply. Through the development of a pipeline and LNG facility, Alaska can supply domestic needs and provide a stable source of LNG to the Asia-Pacific region. It is one of the most important natural gas infrastructure developments to be built in the United States.

The Alaska Gasline Development Corporation (AGDC) is an independent, public corporation owned completely by the State of Alaska.

AGDC has been given oversight and delegation authority to expedite development of an integrated natural gas infrastructure and liquefied natural gas (LNG) export facility.

AGDC completed a Federal Energy Regulatory Commission (FERC) application in April 2017 after an extensive pre-filing process and is committed to delivering a competitive and reliable source of LNG.

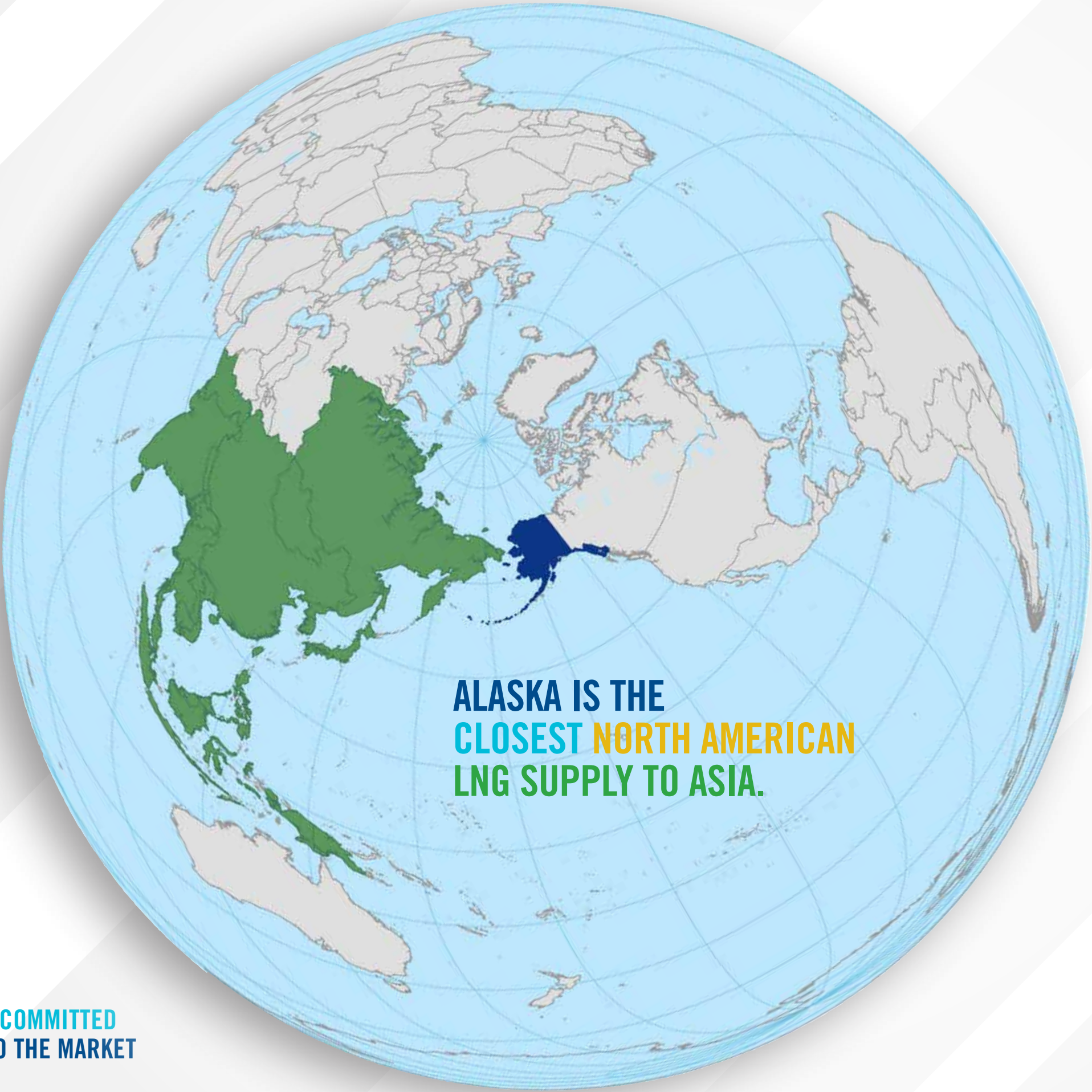
## THE PIPELINE

The backbone of the project is a 1,300-kilometer pipeline originating on the North Slope and terminating in Southcentral Alaska where LNG will be exported to international markets.

The pipeline will provide a stable supply of natural gas. Additionally, multiple interconnection points will allow for domestic natural gas delivery to support heating and electricity, and industrial needs including manufacturing, mining, and other developments.

- 1,300-kilometer, 1.1-meter diameter natural gas pipeline.
- Multiple interconnection points for domestic natural gas distribution.
- Eight compressor stations.
- 143 bar operating pressure.
- Average daily throughput of 3.1 billion cubic feet (87 million cubic meters); maximum daily capacity of 3.3 billion cubic feet (93 million cubic meters).

**AGDC AND THE STATE OF ALASKA ARE COMMITTED TO BRINGING ALASKA NATURAL GAS TO THE MARKET AND WE WANT TO WORK WITH YOU.**

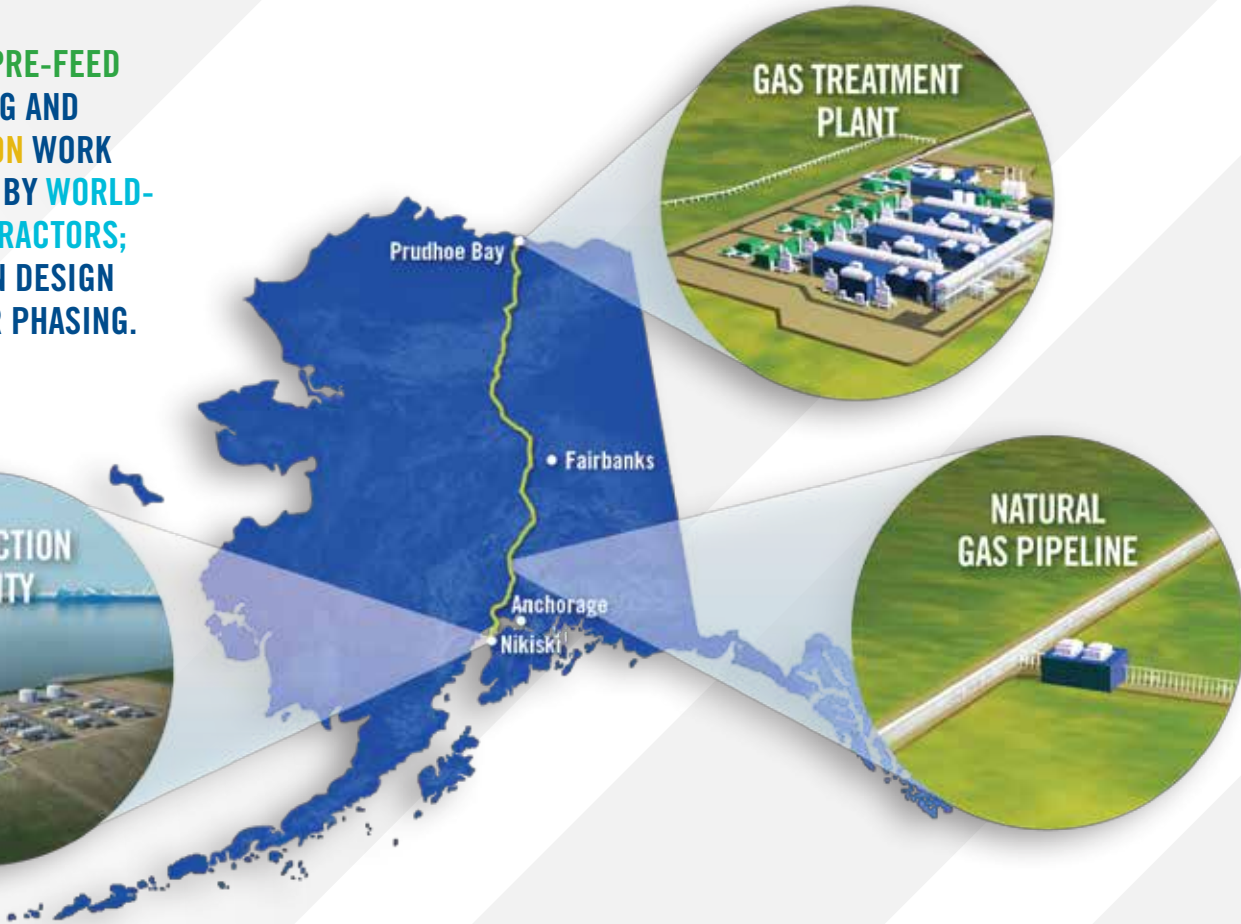


**ALASKA IS THE  
CLOSEST NORTH AMERICAN  
LNG SUPPLY TO ASIA.**

**EXTENSIVE PRE-FEED  
ENGINEERING AND  
OPTIMIZATION WORK  
COMPLETED BY WORLD-  
CLASS CONTRACTORS;  
THREE TRAIN DESIGN  
ALLOWS FOR PHASING.**



**LIQUEFACTION  
FACILITY**



**GAS TREATMENT  
PLANT**



**NATURAL  
GAS PIPELINE**

## GAS TREATMENT PLANT

The gas treatment plant will be located in Prudhoe Bay within 2 kilometers of existing North Slope oil and gas infrastructure. The plant will be comprised of three process trains to remove impurities.

- Average daily capacity of 3.5 billion cubic feet (99 million cubic meters); maximum daily capacity of 3.9 billion cubic feet (110 million cubic meters).
- Carbon dioxide will be removed, captured, and reinjected into underground reservoirs.

## LIQUEFACTION FACILITY

The liquefaction facility, located in Nikiski, will process and export up to 20 million tonnes of LNG per year.

- Three LNG trains.
- Rich LNG of about 1,100 British thermal units per cubic foot.
- Two 240,000 cubic meter storage tanks.
- The facility can transfer approximately 12,500 cubic meters of LNG per hour.
- Two loading berths to accommodate LNG carriers up to 217,000 cubic meters (Q-Flex).
- Target startup in 2023-2025.



# ALASKA LNG — A NEW SOURCE OF ENERGY FOR THE ASIA-PACIFIC REGION

Alaska's North Slope is home to North America's largest oil field and has more than 100 years of conventional natural gas supply including 35 trillion cubic feet of proven natural gas (991 billion cubic meters) in the Prudhoe Bay and Point Thomson fields. The two fields will deliver an average daily capacity of 3.5 billion cubic feet (99 million cubic meters) of natural gas per day. Alaska's North Slope has proven supply for decades of LNG production plus potential reserves for generations.

Alaska has provided Asia with almost 50 years of reliable LNG delivery, and will now develop the capability to provide supply for the next 50 years.

Alaska will provide:

- New and reliable source of LNG.
- Stable pricing.
- Opportunity to participate in a world-class infrastructure project.

Alaska is offering direct access to one of the most mineral and hydrocarbon rich areas in the world.

**"We are entering a time of great opportunity for collaboration between the Asia-Pacific region and the United States. Within two weeks of each other, President Xi Jinping of China and Vice President Mike Pence of the United States have visited Alaska and have underscored the opportunities Alaska LNG offers in supplying a clean and reliable energy source to Asia for the next century."**

*Governor Bill Walker, April 2017*

**2023-2025**

Target In-Service  
First Cargo

**2018-2023**

Construction

**2015-2017**

Engineering and  
Design

**2018-2019**

Final Investment  
Decision

7 - 9 days  
to Asian markets

## ***FOR THE LNG MARKETS IN ASIA, ALASKA OFFERS SEVERAL ADVANTAGES:***



**Stable government:** Alaska provides a steady regulatory regime.



**Shipping distance:** Alaska is the closest North American LNG supply to Asia.



**Direct access:** Alaska has a direct path to Asian countries.



**Value-chain:** Alaska offers exploration and production opportunities.



**Proven resource:** 35 trillion cubic feet of natural gas (991 bcm).

**ALASKA'S LNG ADVANTAGES CREATE  
AN ATTRACTIVE INVESTMENT AND  
COMPETITIVE LNG SUPPLY.**