

Alaska LNG™

Fueling Alaska's Future



April 2016

Coffee with Alaska LNG – Kenai/Nikiski 2016 G&G Field Program

Alaska LNG – Project Overview

Alaska LNGTM

An integrated liquefied natural gas export project providing access to gas for Alaskans



North Slope

Point Thomson: Deliver natural gas to GTP

Prudhoe Bay: Deliver natural gas to GTP, receive CO₂ / impurities for further handling

Gas Treatment Plant (GTP): Clean, dehydrate, chill and compress 3.5 BCFD of natural gas and deliver to pipeline

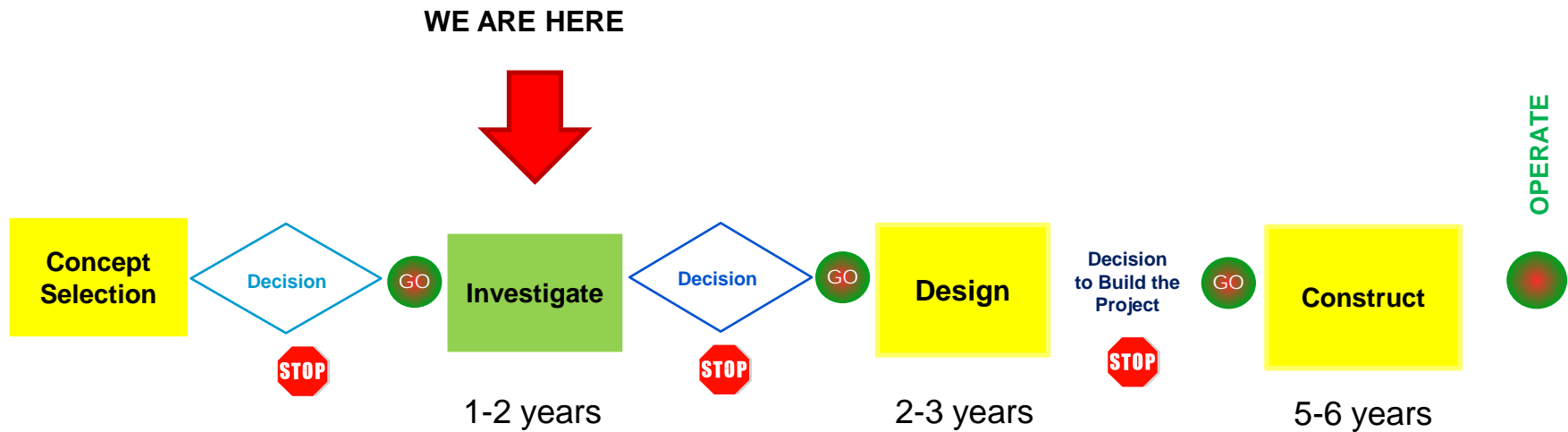
North Slope, Interior & Southcentral

Gas Pipeline: Transport 3.3 BCFD of natural gas over 800 miles to Nikiski, with at least five interconnection points for in-state gas

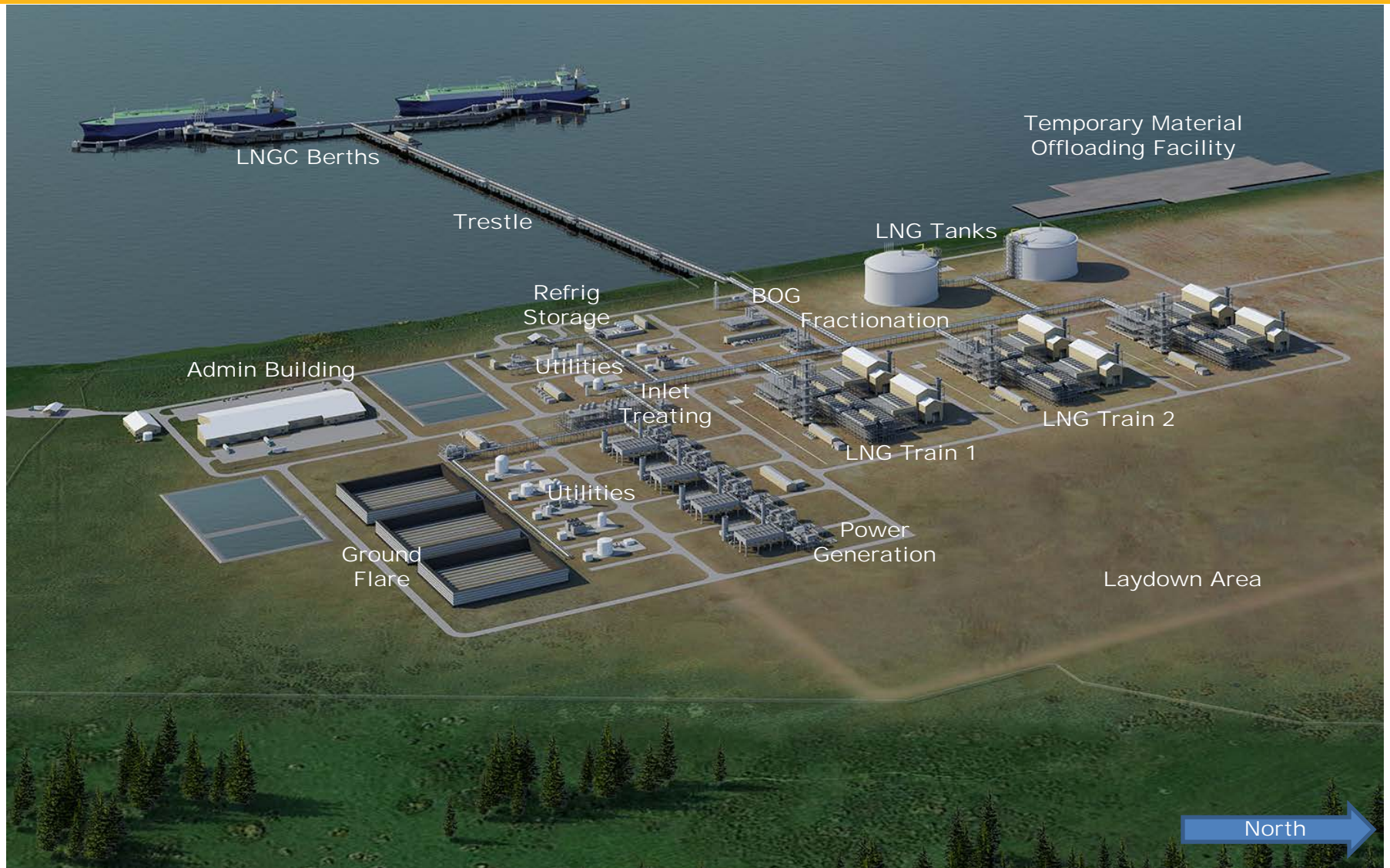
Southcentral

Liquefaction Facility: Create, store, and load up to 20 million tons of LNG per year (15-20 LNG cargos per month)

Project Development Phases



LNG Plant Overview



Purpose of surveys:

- Collect data for design and route selection of proposed subsea natural gas pipeline across Upper Cook Inlet and proposed marine facilities near Nikiski

Objectives:

- Characterize the bottom surface and subsurface of Cook Inlet, evaluate seabed features, and identify soil conditions within the survey area



Survey Methods/Equipment:

Geophysical

- Seafloor mapping
- Chirp, Sub-bottom profiler & single beam bathymetry

Shallow Geotechnical

- Grab samples
- Vibracores

Timing:

April – June/July



2016 G&G Field Program - Onshore

Purpose of surveys:

- Collect data for design and equipment placement of proposed LNG facility near Nikiski
- Test groundwater capability

Survey Methods/Equipment:

Geotechnical

- ~50 boreholes
- Aquifer pump test

Environmental

- Cultural/archaeological surveys continue

Timing:

April – Aug/Sept



Questions and Discussion

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