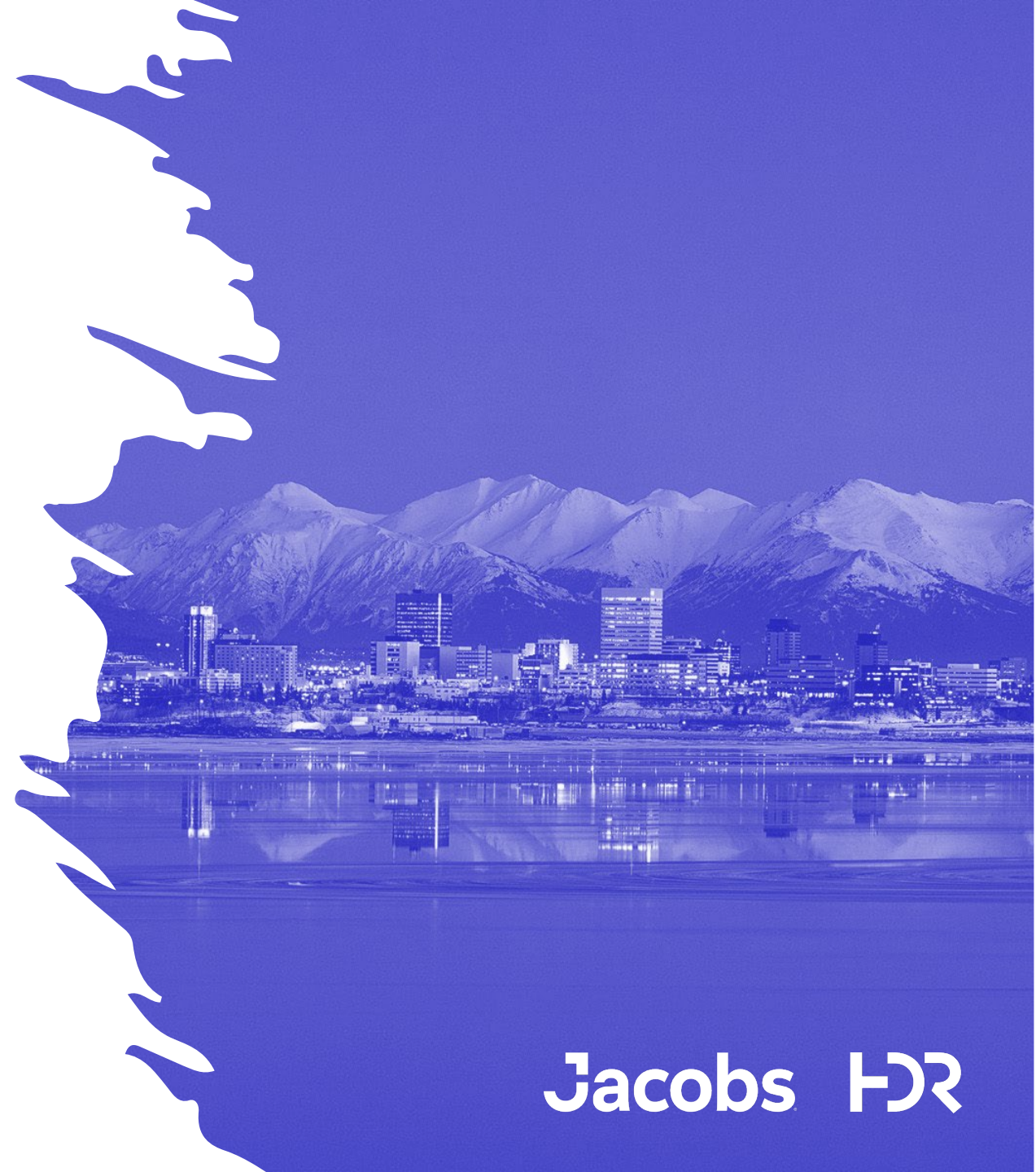




Port of Alaska Modernization Program

Alaska Legislative Update



Jacobs HDR

- ✓ CONTAINER
- ✓ LIQUID BULK
- ✓ DRY BULK
- ✓ BREAK BULK
- ✓ DRY BARGE LANDING
- ✓ CRUISE SHIPS

THREE
GENERAL CARGO TERMINALS
(with lift-on/lift-off and
roll-on/roll-off capability)

ONE
PETROLEUM/CEMENT
TERMINAL

ONE PCT
PETROLEUM ONLY
TERMINAL





- ✓ **125+ ACRES** OF CARGO-HANDLING INFRASTRUCTURE
- ✓ **3.1 MILLION BARRELS** OF LIQUID FUEL STORAGE
- ✓ **60,000 TONS** OF CEMENT STORAGE
- ✓ **DOCK CRANES, RO-RO TRESTLES, RAIL, PIPELINES, ETC.**
- ✓ **SKILLED WORKFORCE**



3 FUNCTIONS



COMMERCE



**NATIONAL
DEFENSE**

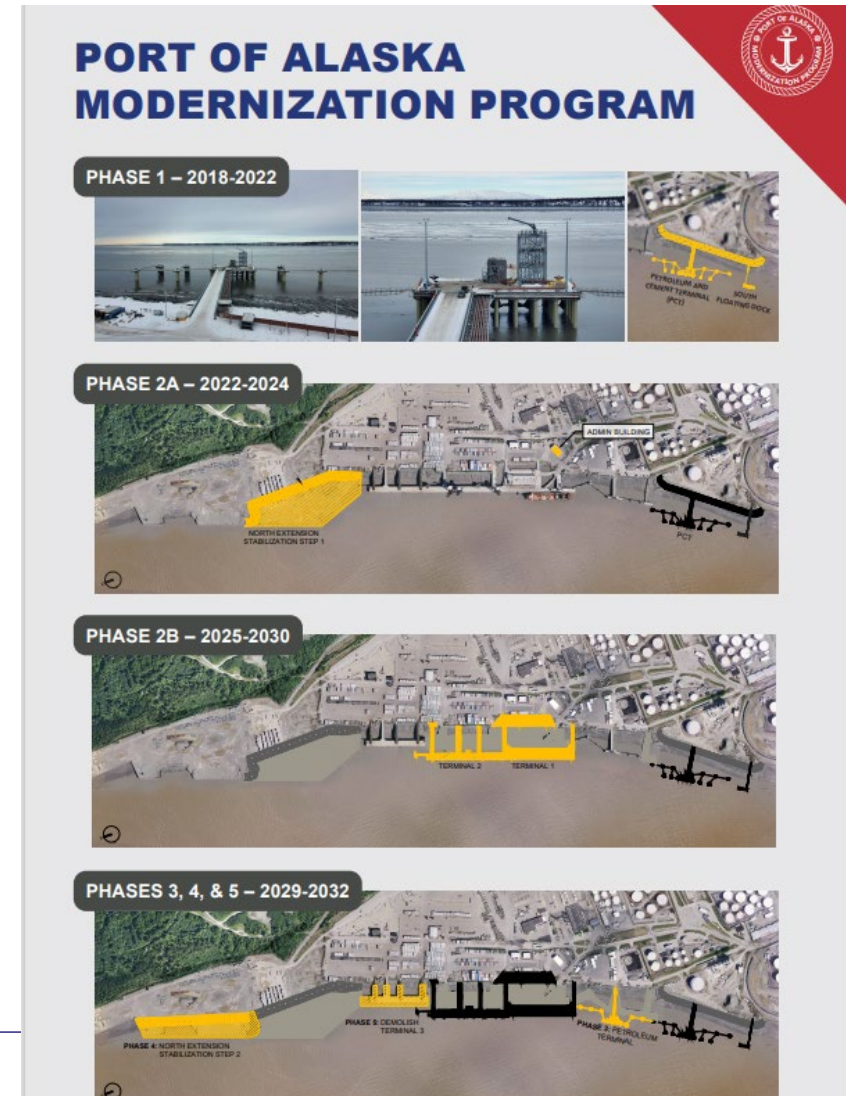


**DISASTER
RESILIENCY &
RESPONSE**

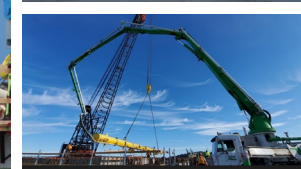
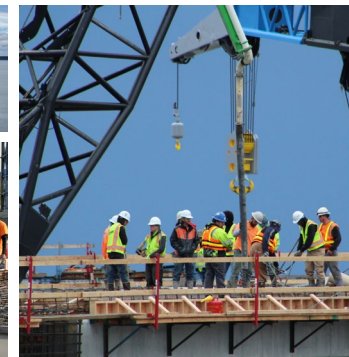
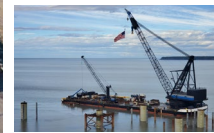
Since Visiting Juneau in 2022

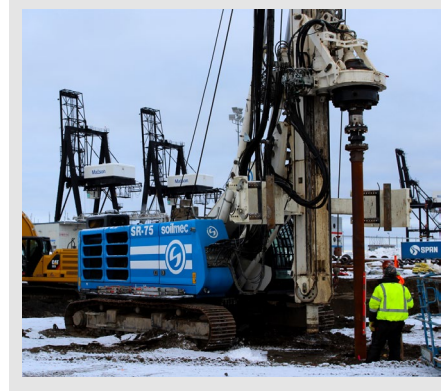


- Completed PCT and SFD Construction
- Awarded a \$9 million design-build contract for the new Administration Building project
- Awarded a \$114 million design-build contract for the North Extension Stabilization - Step 1 (NES1) project
- Received a \$68.7M grant for NES1
- Completed preliminary design for the Cargo Terminals Replacement project
- Conducted bid process for Designer-of-Record contract for new Terminal 1
- Continued permitting for Phase 2A and Phase 2B projects



Petroleum Cement Terminal Complete – Fall 2022

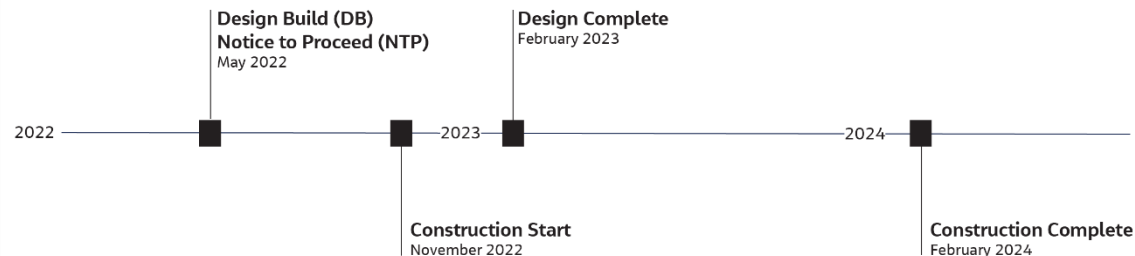




Administration Building

- Notice to Proceed on May 12, 2022
- Crews broke ground in October 2022

Administration Building Timeline





North Extension Stabilization - Step 1

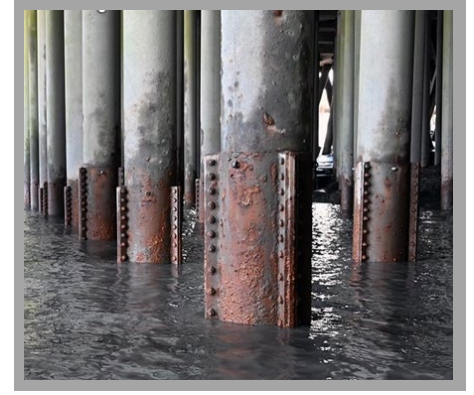
- Notice to Proceed on December 20, 2022
- Geotechnical investigation started February 2023
- Ground-breaking expected in April 2023
- Awarded a \$68.7M FY22 grant through PIDP

North Extension Step 1 Timeline



Cargo Terminals 1 and 2

- Completed preliminary design
- On track to award Terminal 1 Design contract in April 2023
- Applying for federal grants this year
- Terminal 1 construction schedule compressed by one year through design innovations
- Terminal 1 is key to Food Security – Operational restrictions may be required by 2025
- Terminal 2 design features under evaluation





What Keeps Me Up?

Key Operational Risks

- Aging docks
- Fragile Power systems
- Limited Port Access

Proposed Solutions

- Port of Alaska Modernization Program (you just saw)
- Port Power Plan . . .
- A new access road – working with AKDOT&PF

Port Power Plan – *a connected microgrid*

- Connected microgrid
- Energy storage (\$5.3M DCIP grant)
- Emergency generation
- Metering and controls (to be installed this year)
- Renewable generation
- New business opportunities!





Port Power Plan

A Series of power-related projects that will combine into complete, sustainable power system that includes:

- Connected microgrid
- Emergency (backup) power generation
- Energy storage
- Renewable power generation
- System metering/controls to enable efficient system management and operation

Our Partners:

- Chugach Electric
- Department of Energy (Sandia Labs)
- JBER
- Mat-Su Borough (via The Upper Cook Inlet Marine Energy Alliance)
- Port Users



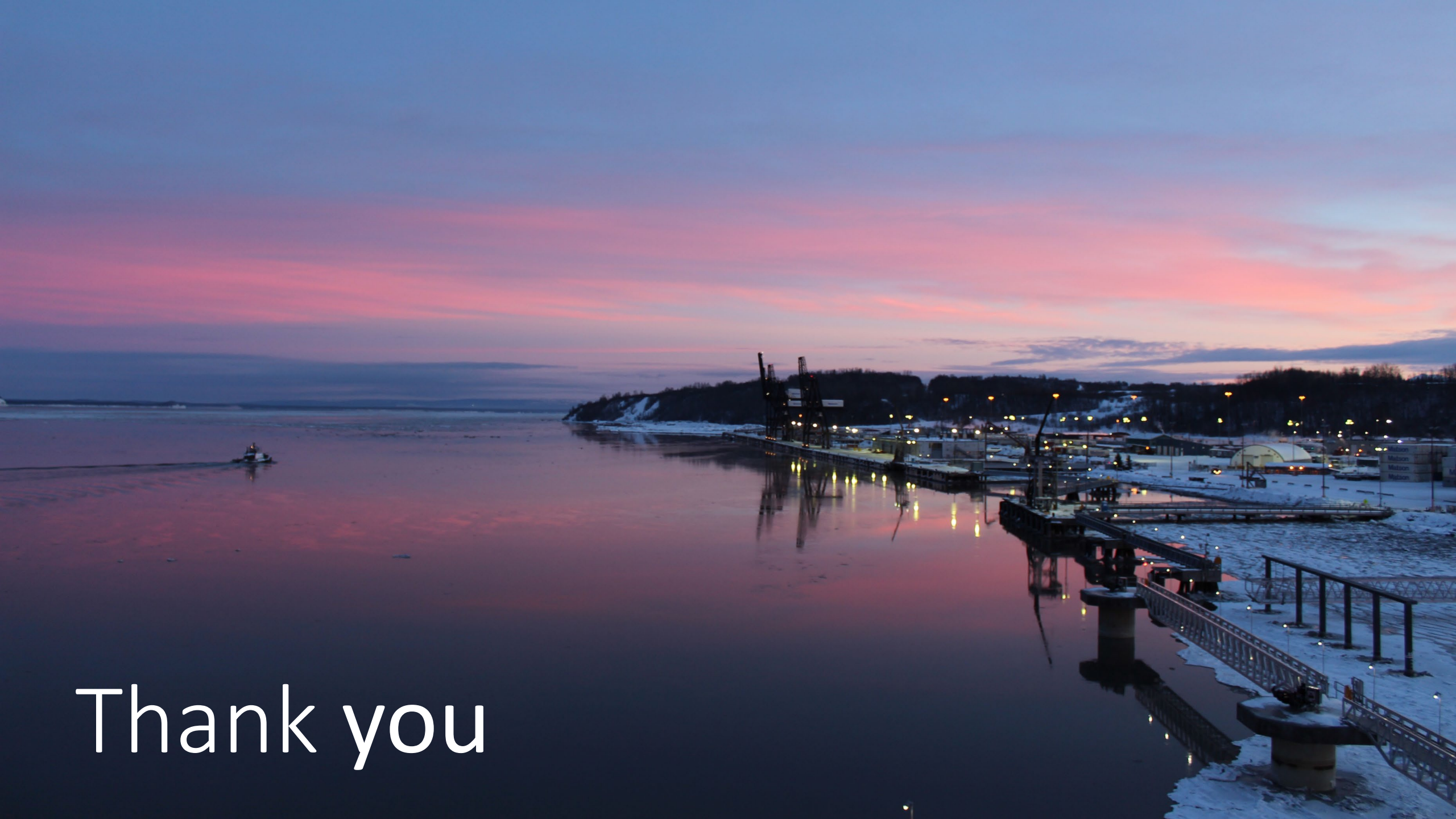
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Thank you