

ALASKA'S ARCTIC DEEP-DRAFT PORT AT NOME

ENHANCING REGIONAL OPPORTUNITY
BOOSTING RURAL EMPLOYMENT
EXPANDING ALASKA'S ECONOMY
SUPPORTING NATIONAL SECURITY

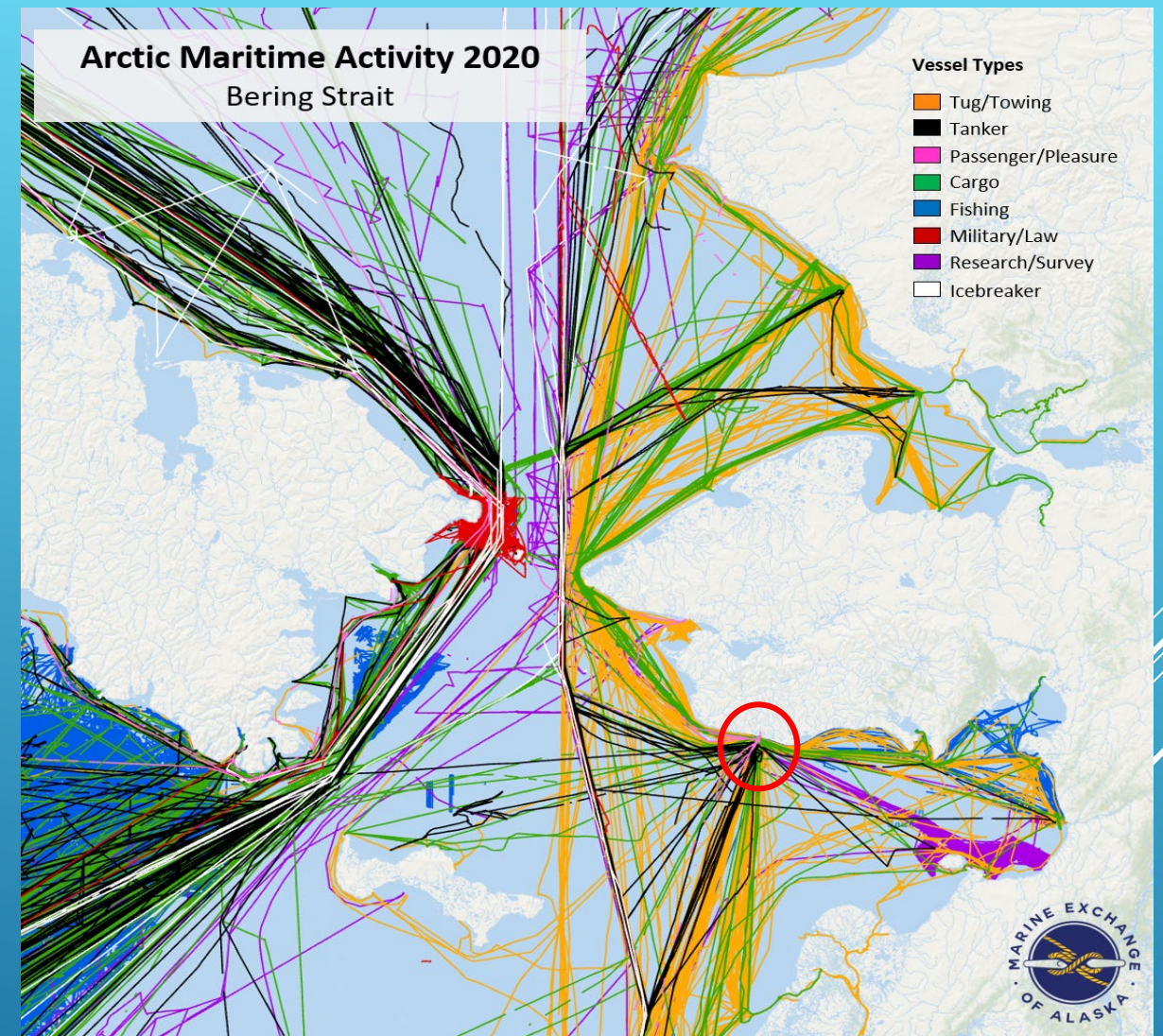
August 2021
State of Alaska



PORT OF NOME SERVES:

Tugs/Towing Tankers Cargo/Equip Fishing
 Passenger Research Military/Law Icebreakers

Year	Northbound	Southbound	Total
2009	136	126	262
2010	128	114	242
2011	124	115	239
2012	154	162	316
2013	171	173	344
2014	130	125	255
2015	232	220	452
2016	158	182	340
2017	164	196	360
2018	183	175	358
2019	241	236	477
2020	260	290	550



Extent of vessel movements during the ice-free season

Bering Strait transits have increased by 212% since 2009

TARGETED BENEFITS OF ARCTIC DEEP-DRAFT PORT AT NOME

National Security & Life-Safety

Critical refuel/resupply/logistical support for SAR
Strengthen U.S. presence in Arctic

Environmental Safety

Reduce need for offshore fuel transfers
Regional staging for Oil Spill Response assets

Economic/Cultural Sustainability

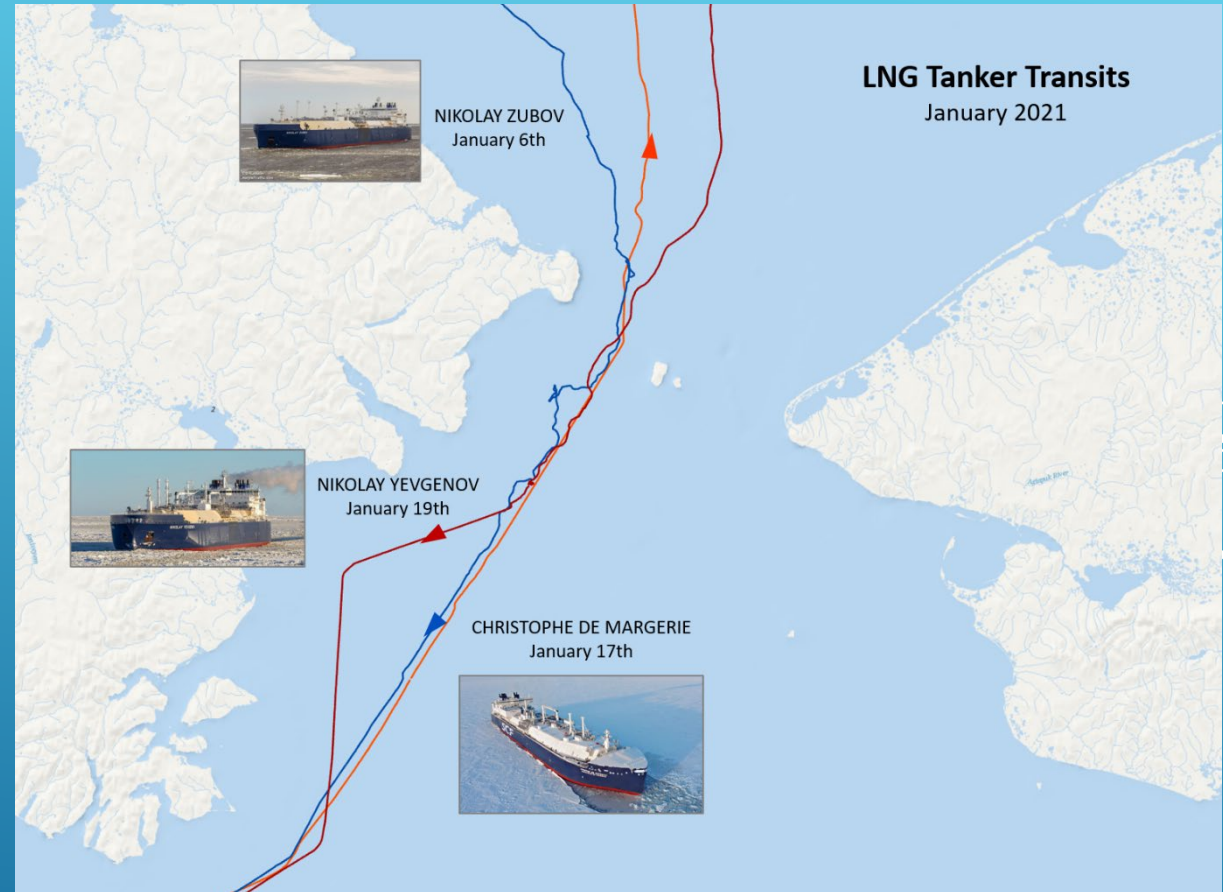
Lower regional transportation costs
Bring economic opportunity to the region

Research

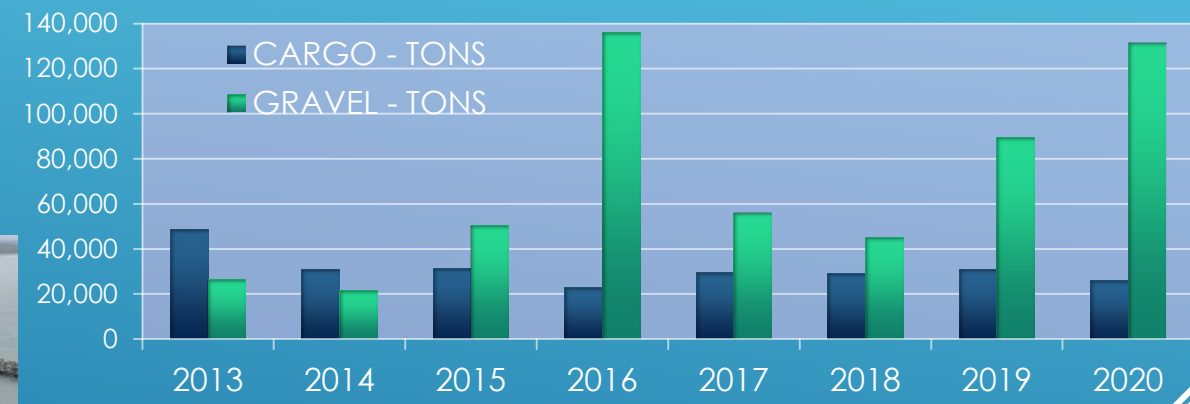
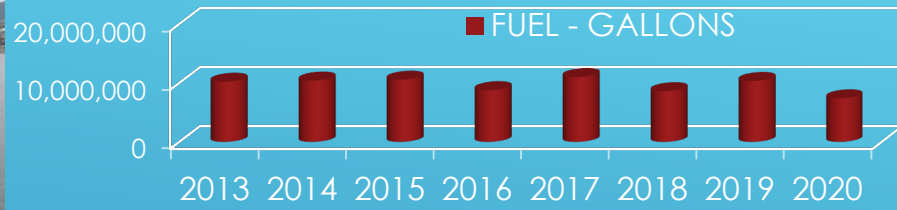
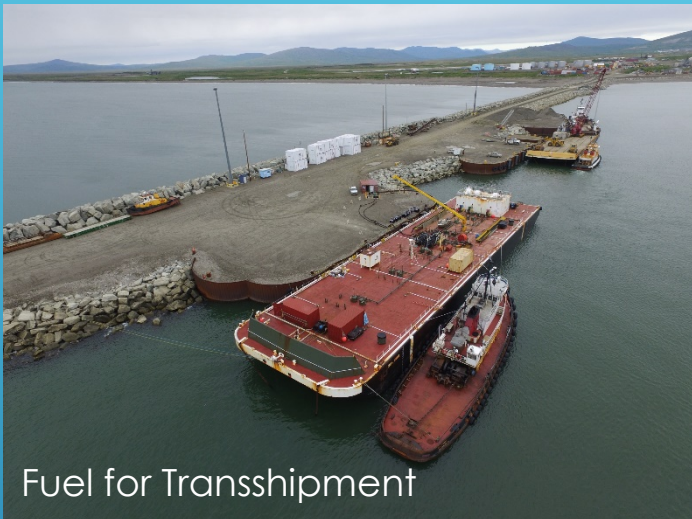
Enhance mission hub support

Tourism

Support increased ship calls with more ice-hardened vessels in construction



COMMODITY MOVEMENT



ECONOMIC BENEFITS – DURING CONSTRUCTION

Construction activity (5 seasons beginning 2023)

- Regional benefits:

Jobs: 818.9 FTE Income: \$78M + \$100M secondary spending

- Statewide (includes regional) benefits:

Jobs: 2,938.8 FTE Income: \$207M + \$291M secondary spending

- National (includes statewide) benefits:

Jobs: 5,515.2 FTE Income: \$365M + \$545M secondary spending

ECONOMIC BENEFITS POST-CONSTRUCTION



Post-construction activity for long term operations and maintenance:

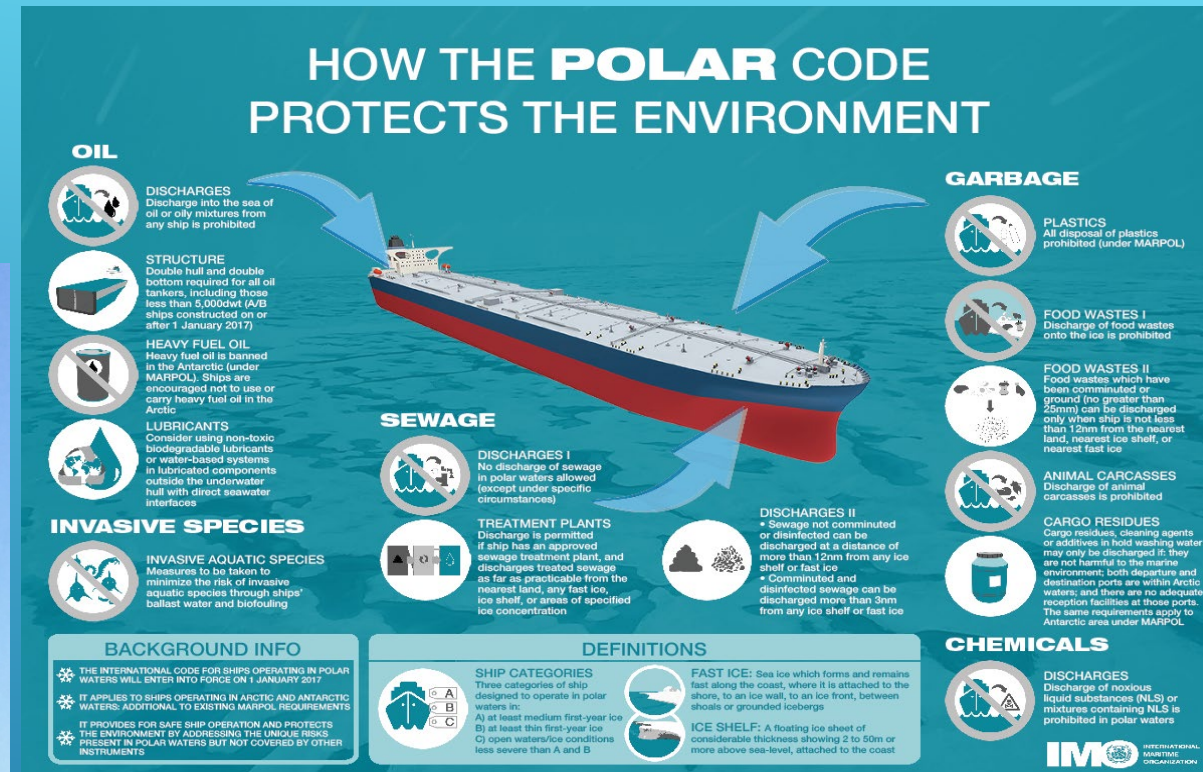
- Regional benefits:
Jobs: 5.3 FTE Income: \$607K+
\$802K secondary spending
- Statewide (includes regional) benefits:
Jobs: 34.2 FTE Income: \$2.4M +
\$3.3M secondary spending
- National (includes statewide) benefits:
Jobs: 60.7 FTE Income: \$4M +
\$5.9M secondary spending

SHIP RESUPPLY

Whether a USCG, NOAA, cruise ship or foreign government vessel, Nome is a critical port for vessels working the Arctic waters and transiting the Northwest Passage.



PORT WASTE RECEPTION FACILITY AT NOME



PWRF Components	Estimated Costs
Incinerator/Solid Waste Haul Truck	\$ 2,832,000
Wastewater Holding Pond	\$ 2,455,000
Sewage Haul Truck	\$ 203,000
Wastewater Holding Tank at Dock	\$ 174,000
Bilge Treatment Facility/Haul Truck	\$ 3,286,000
Total Costs	\$ 8,500,000

PROJECT PHASING COSTS – ARMOR STONE PRICING

(In Millions)	75%	25%		100%	TOTAL	GNF +LSF	**10% of GNF
	GNF FED	GNF NFS	GNF- TOTAL	LSF* (NFS)	PROJECT COSTS	NFS Total	+
Phase 1	\$250	\$83	\$333	\$64	\$397	\$147	
Phase 2	\$55	\$18	\$73	\$6	\$79	\$24	
Phase 3	\$112	\$37	\$149	\$17	\$166	\$54	
Total	\$417	\$138	\$555	\$87	\$642	\$225	+
							NFS
							\$33
							\$7.3
							\$14.9
							\$55.2

*From Feasibility Cost Estimate. Actual amount dependent upon NFS design

**Cost up front is 75%-25% with another 10% paid back over time after construction, likely after Phase 3

Port of Nome Modification Phase 1 Rock (A&B)

Total	679,165	Tons	\$139,481,371
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- Total A & B rock production quantity in Phase 1
- This is for Drilling, Blasting, Sorted and Tested

PARTNERSHIPS WILL BUILD THIS PROJECT

- ▶ How can the State of Alaska help?
 - ▶ Urge the Alaska Congressional delegation to seek a reduction of federal cost-share
 - ▶ Encourage State lawmakers to provide funding for external components
 - ▶ Include ancillary project items in Capital budget
 - ▶ Partner with the City to acquire needed A/B armor stone



Sept 2020