

February 13, 2025

NORTH TO THE FUTURE

Southeast Conference

Alaska Department of Transportation & Public Facilities
Craig Tornga, Marine Director, Alaska Marine Highway System (AMHS)



SAFETY



AMHS Safety Goal: **NO HARM** to People, Environment, and Equipment

- **2024 Safety Results**
 - 51 injuries: **14** strains, **13** slip, trip, or fall, **5** struck or hit an object, **5** finger, **4** burn, **3** other, **2** absorption, ingestion or inhalation, **2** cut, **1** eye, **1** chest pain, **1** repetitive motion
- **No** spills to the water from terminals and vessels
- **No** collisions or allisions

AMHS OVERVIEW

- 5,000+ route miles of scenic coastline
- Providing service to over 30 Alaska communities, each with their own unique qualities
- Serving 33 Ports
- Connecting coastal Alaskans to the highway system, Lower 48 & Canada
- Four ships over 50 years old



RELIABILITY

- Shipyard Delays with steel repairs due to wastage
 - LECONTE, TUSTUMENA, AURORA, COLUMBIA
- Implemented Computer Maintenance Management System (CMMS) in 2024; all vessels are in the system and using all functions
- 2024 Operational Uptime Percentage – 98.51%
 - 35,420.25 operating hours / 527.75 out of service hours



CREWING



2024 Crew Hires and Separations

- Masters, Mates & Pilots (MMP) – Hired 7 with 11 Separated
- Marine Engineers' Beneficial Association (MEBA) – Hired 1 with 8 Separated
- Inlandboatmen's Union (IBU) Engine - Hired 8 with 6 Separated
- IBU Deck – Hired 15 with 20 Separated
- IBU Steward – Hired 79 with 41 Separated

CREWING OPERATIONS

Thursday, January 30, 2025

Crew Status: Full Crew for 7 Vessels and Reduced Crew for Vessels 8 and 9 in Layup

	TOTAL NEEDED	CURRENTLY EMPLOYED	CURRENT STATUS
Master	26	18	-8
Chief Mate	24	10	-14
2 nd Mate	24	8	-16
3 rd Mate	25	32	7
Chief Engineer	22	20	-2
1 st Engineer	18	17	-1
2 nd Engineer	18	11	-7
3 rd Engineer	23	14	-9
Bosun	13	14	1
Able Bodied Seaman	60	58	-2
Ordinary Seaman	28	18	-10
OSP	14	7	-7
WM	18	12	-6
Jr. Engineer	15	8	-7
Oiler	29	25	-4
Wiper	5	4	-1
Stewards		208	





AMHS WORKFORCE KEY EFFORTS & INITIATIVES

CAREER PATHWAYS

Documented career pathways for staff and potential applicants, outlining clear steps to achieve career goals

RECRUITMENT FOCUS

PARTNERSHIPS: Local Hire & Workforce Development

APPLICATION PROCESS IMPROVEMENTS

CREWING UPDATE: Critical Positions and Vacancies

WIPER-TO- OILER PROGRAM

MARINE ACADEMIES ENGAGEMENT

DEDICATED RECRUITMENT COORDINATOR

362*

TOTAL CREW NEEDED

276**

CURRENTLY EMPLOYED

CREWING NEED

94

Upcoming Initiatives: Scholarships
Workforce Funding for and Training

Licensed Positions
• Officers, Engineers
Certificate Positions
• Able-Bodied Seamen,
Jr. Engineers, Oilers
Entry-Level Positions
• Wipers, Ordinary
Seamen

Allows entry-level workers to start directly in deck & engine depts., increasing retention by offering more desirable career paths

Enhanced engagement with maritime academies across U.S.

Dedicated Recruitment Coordinator overseeing AMHS recruitment efforts

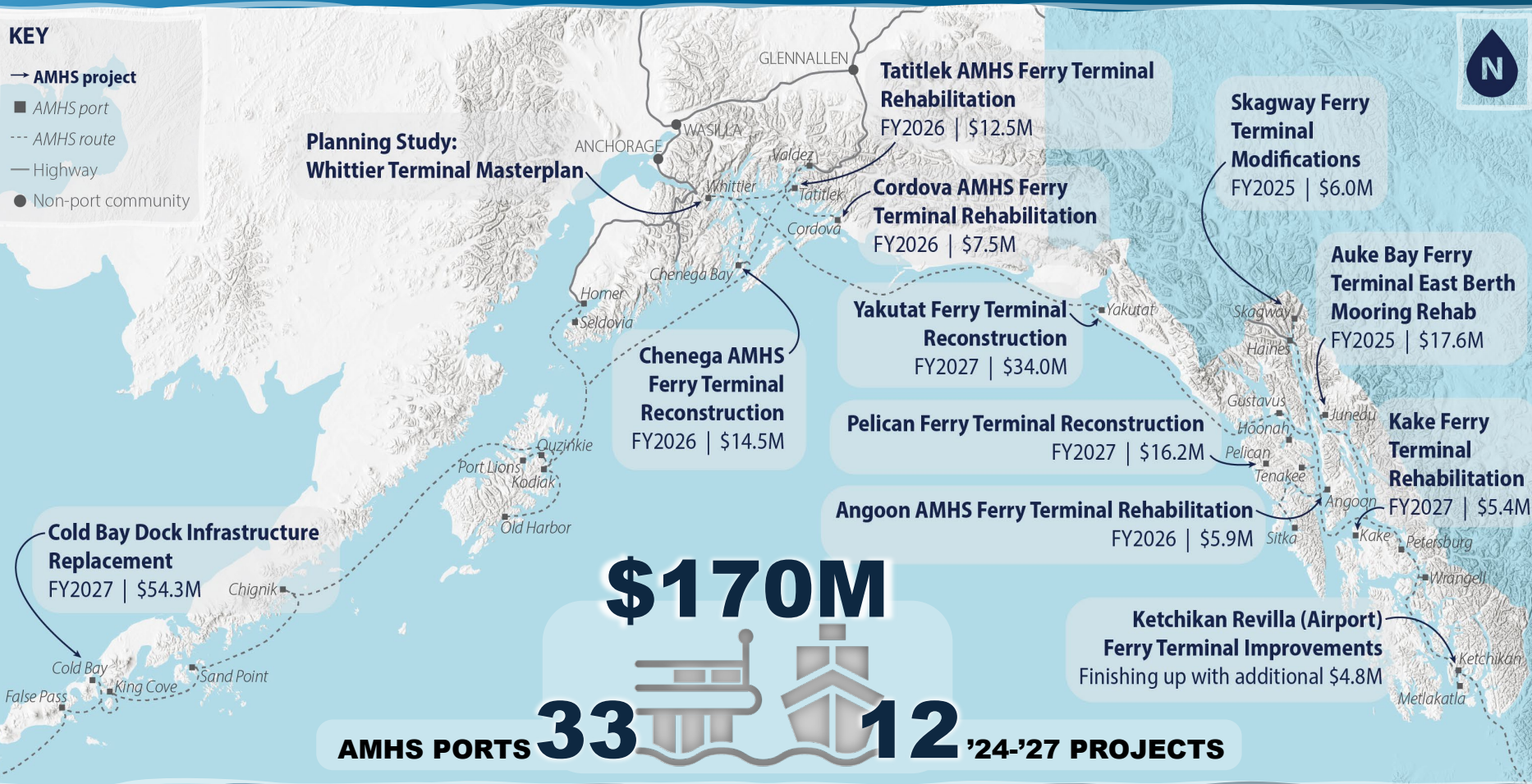
Using enhanced tools – Social Media, Videos, crew interviews to raise interest in positions

• Tribal Partnerships
• Women Offshore

Streamlined application process for key positions

*Based on Crewing 7 Vessels
**Crew Status as of 1/30/2025,
does not include Stewards

AMHS TERMINAL INFRASTRUCTURE IMPROVEMENTS



VESSEL PROJECTS

Vessel Capital Improvement Projects

- TAZLINA Crew Quarters Addition
- COLUMBIA Controllable Pitch Propellor Upgrade
 - Project cancelled following Recent Risk Assessment
- MATANUSKA – Audio Gauge reports at next AMHOB
- KENNICOTT Generator Upgrades Underway



AMHS VESSELS



Aurora

- No Major Projects Planned

48 yrs - Built 1977



Columbia

- WiFi Upgrades in 2024

52 yrs - Built 1973



Hubbard

- No Major Projects Planned

6 yrs - Built 2019



Kennicott

- Emissions and Exhaust
- \$24.4M in 2025

27 yrs - Built 1998



LeConte

- Extended Overhaul Winter of 2024-2025

52 yrs - Built 1974



Lituya

- No Major Projects Planned

21 yrs - Built 2004



Matanuska

- Assessment in Progress
- \$37.5M in FY25 Rural Ferry Program

62 yrs - Built 1963



Tazlina

- Crew Quarters Addition
- \$19.3M in FY25

6 yrs - Built 2019



Tustumena

- Continued State of Good Repair Focus

61 yrs - Built 1964

Planned/Future Vessels



Tustumena Replacement Vessel

- New Construction
- \$310M in FY25



New Mainliner

- New Construction
- \$10M in FY25



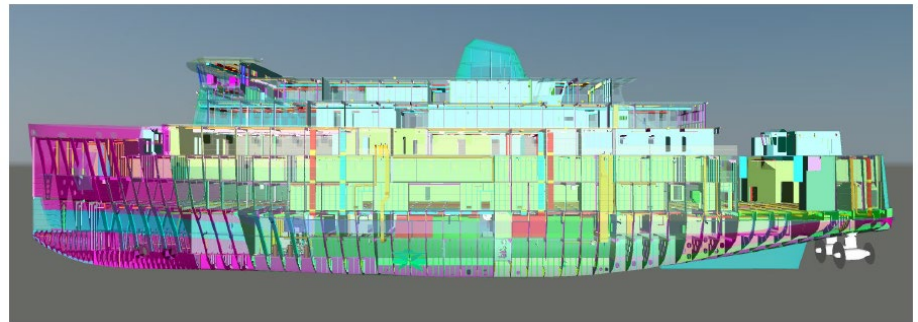
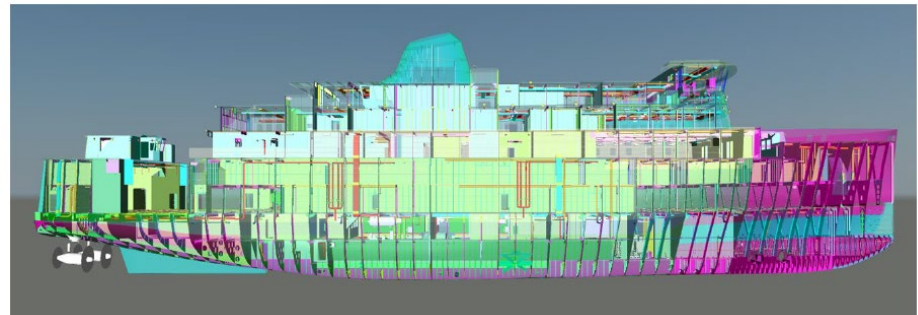
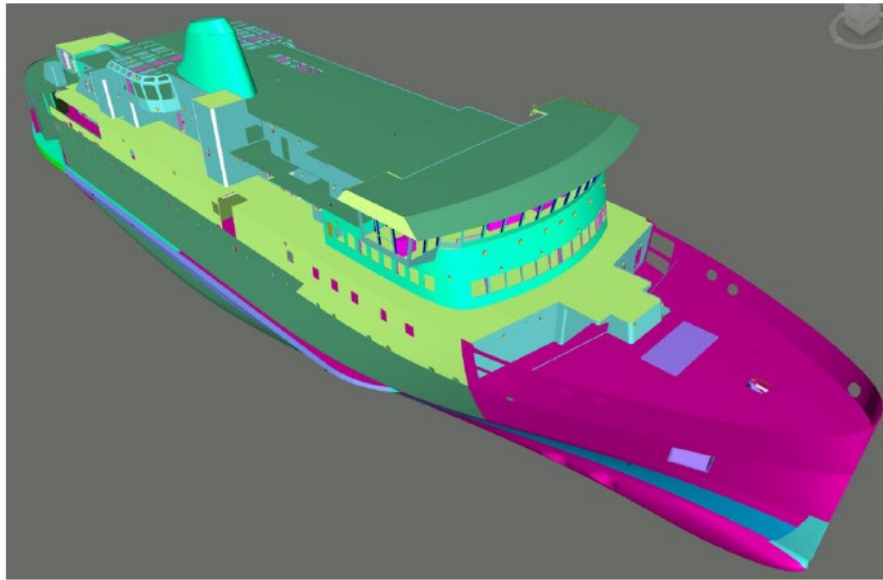
No/Low Emissions Ferry

- New Construction
- \$53.2M in FY26



TUSTUMENA REPLACEMENT VESSEL SCHEDULE

ID	Task Mode	Task Name	Start	Finish	Predecessors	February Feb	March Mar	April Apr	May May	June Jun	July Jul	August Aug	September Sep	October Oct	November Nov	December Dec	January Jan	February Feb	March Mar	April Apr
1	?	<u>DBB/Siemens Contract</u>																		
2	?																			
3	?	Glosten Design Finalization and Collaboration with Siemens	Feb 7	Jun 6																
4	?	Siemens CMGC MGP Agreed on. Conduct/Pass BA Audit (2 mo.)	Jun 9	Aug 8	3															
5	?	CMGC Contract Award & NTP Issued (1 mo.)	Aug 11	Sep 9	4															
6	?	Shipyard RFP Release	Sep 10	Sep 10	5															
7	?	Bid Period (3 mo.)	Sep 11	Dec 11	6															
8	?	Bid Open/Review/Contract Award (1 mo.)	Dec 12	Jan 12	7															
9	?	Contract NTP (1 mo.)	Jan 13	Feb 10	8															
10	?	Vessel Construction Period (30 mo.)	Feb 11	Jul 11	9															
11	?	Trials/Delivery/Acceptance (2 mo.)	Jun 13	Aug 11	10															
12	?	Warranty Period (12 mo.)	Aug 14	Aug 13	11															
13	?	Project Closeout (2 mo.)	Aug 14	Oct 15	12															



Project: SY DBB - Siemens CMG Date: Feb 7		Task	Project Summary	Manual Task	Start-only	Deadline
	Split	Inactive Task	Duration-only	Finish-only	Progress	
	Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress	
	Summary	Inactive Summary	Manual Summary	External Milestone		

THANK YOU

Craig Tornga
Marine Director
Alaska Marine Highway System

Craig.Tornga@alaska.gov
(907)228-7250



2/13/2025