

## **DOT&PF Change Management**

#### **Initiatives**

AMHS: Staying the Course, Toward Reliability

### **Tools**

Strategic Change Canvas; Options Boards; Culture Mapping; Value-Stream Mapping

### **Models**

Lean Construction/Lean Change; Kaizen; Kotter's Change Model; Agile

DOT&PF is piloting change management principles, processes, and tools to focus on driving results.



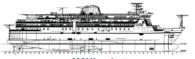
## Overview



#### M/V Malaspina 408 feet Built 1963



M/V Lituya 181 feet Built 2004



M/V Kennicott

382 feet Built 1998



M/V Hubbard

280 feet Built 2019



M/V Aurora

235 feet Built 1977

### **AMHOB Kickoff Meeting**

**Short-term Goals** 

**Short-term Planning** 

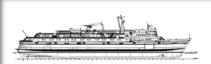
FY23 Proposed Operating Budget

**Capital Projects** 

Long-term Planning

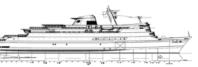
Fleet Planning

Staffing Shortages



M/V Matanuska

408 feet Built 1963



#### M/V Columbia

418 feet Built 1974



#### M/V Tustumena

296 feet Built 1964



#### M/V Tazlina

280 feet Built 2019



#### M/V LeConte

235 feet Built 1974



# Alaska Marine Highway Operations Board (AMHOB)



Governor Appointments	Alan Austerman and Norm Carson	2 years
Alaska Native Organization Representative	Cynthia Berns	2 years
Union Representative	Captain Keith Hillard	6 years
DOT&PF Deputy Commissioner	Rob Carpenter	
Speaker of the House Appointments	Wanetta Ayers and Shirley Marquardt	4 years
Senate President Appointments	Captain David Arzt and Paul Johnsen	6 years

More Information: <a href="https://dot.alaska.gov/amhob/">https://dot.alaska.gov/amhob/</a>

## **AMHOB Members**

## Chair, Shirley Marquardt

<u>CURRENT</u>: Executive Director, Southwest Alaska Municipal Conference

PREVIOUS: Executive Director, Alaska
Marine Highway System; Executive Director,
Boards and Commissions; Mayor, City of
Unalaska

## Vice-Chair, Wanetta Ayers

<u>CURRENT</u>: Executive Director, Commonwealth North

<u>PREVIOUS</u>: Marine Transportation Advisory Board; Alaska Marine Highway Reshaping Working Group

Chair/Vice-Chair as of 2/11/22 for one year



Photo by Sam Dapcevich: AMHOB Meeting

## **AMHOB Members**

Norm Carson



Conthia Davis	Vice Duckident of Community, and External Affeire for Old Harbor
	1995 to 2001); Alaska State Senator from 2001 to 2003
Alan Austerman	Majority leader of the Alaska House of Representatives (served from

Cynthia Berns Vice President of Community and External Affairs for Old Harbor **Native Corporation** 

Deputy Commissioner, DOT&PF; senior fiscal analyst with the

**Deputy Commissioner** Rob Carpenter Legislative Finance Division Captain David Arzt Licensed marine pilot; US Coast Guard Masters license; Marine Exchange of Alaska Board of Directors; Alaska's delegate to the

American Pilots Association

Captain Keith Hillard Captain, Alaska Marine Highway System with 27 years of experience Paul Johnson Engineering aboard AMHS vessels in 1974-1979; Senior port engineer 1997-2007

2/15/2022

Captain

Marine Transportation Advisory Boards; licensed US Coast Guard

## **AMHOB Member Priorities**

#### **STRATEGY**

\*Systemic performance measures
Short-term plan and goals
Long-term plan, vision, and goals

#### **ENGINEERING**

\*Long-term fleet planning Low-emission/electric ferry evaluation

#### **OPERATIONS**

\*Staffing shortages
Terminal-vessel-route configuration

#### **BUSINESS**

\*Operational and capital funding Governance options and analysis



2/15/2022

7

## **Upcoming Meeting Topics\***

Meeting 1: Fleet Planning, Infrastructure Bill, and Budget

Meeting 2: Goals and Performance Measures

Meeting 3: Staffing Challenges

**Meeting 4:** Comprehensive Long-term Plan

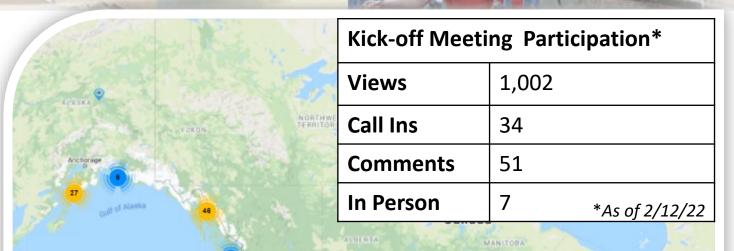


\*Subject to change if other priorities arise

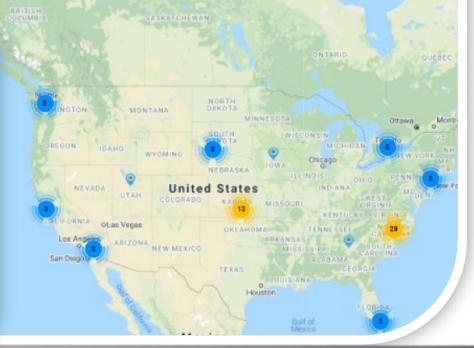
Recurring biweekly virtual meetings

## **AMHOB** Public Participation

Geographic distribution of participants watching meeting online via publicinput.com







## Staying the Course, Toward Reliability

#### **PEOPLE**

- AMHOB Met February 11
- Tazlina: Crewed, Sailing February 4

#### **INFRASTRUCTURE**

- First Full Year Advance Schedule Published
- Tustumena Replacement Vessel
- Hubbard: Crew Quarters
- Prince Rupert: Working toward May 1

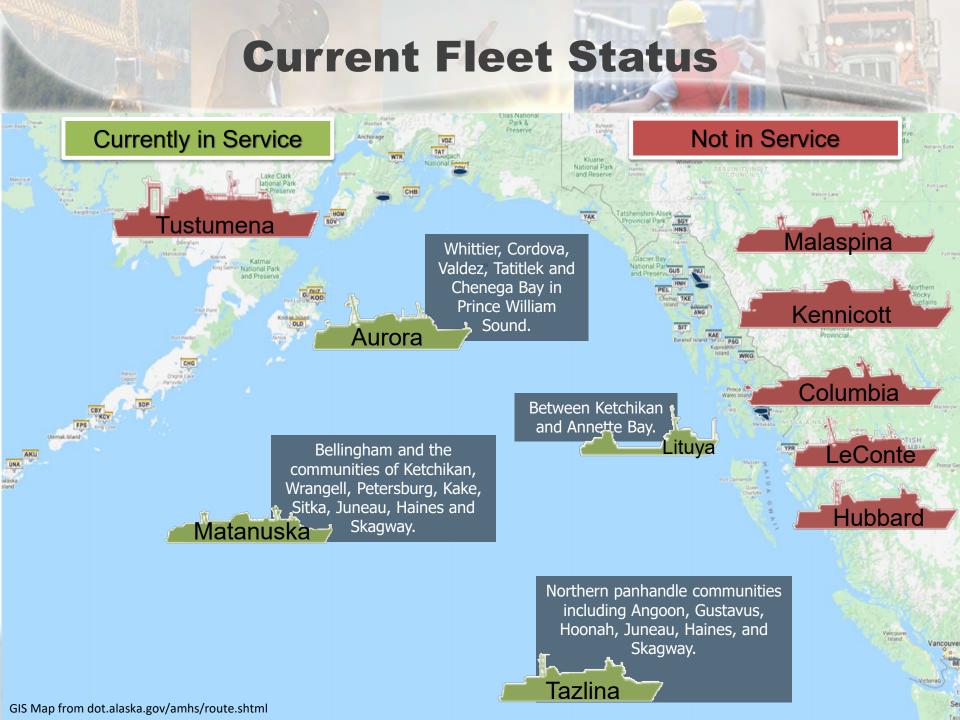
#### **PARTNERSHIPS**

- Contingent Private Contract Service
- Low-Emission/Electric Ferry Opportunities

#### https://dot.alaska.gov/amhob/



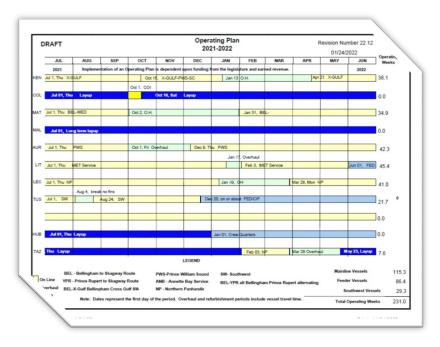




## Staying the Course, Toward Reliability Short-term Goals

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Short-term Goals	Target Date in 2022
Recruitment Specialist Onboard	February 18
Operation Schedule FY23*	February 28
Recruitment Targets for Columbia Met	March 1
AMHS Planner Hired	March 15
Tustumena Replacement Vessel (TRV) Request for Proposal (RFP) Advertised	March 18
Complete Union Negotiations	March 31
FY23 Operation and Business Plan	March 31
Sail to Prince Rupert	May 1
M/V Columbia Sails  *based on Governor's proposed budget	May 1

## **FY23 Short-term Planning**



## FY23 Operational and Business Plan (7/1/22-6/30/23)

Operating Budget

Capital Federal Funds

Marine Highway Fund

**Capital STIP Projects** 

Capital General Fund



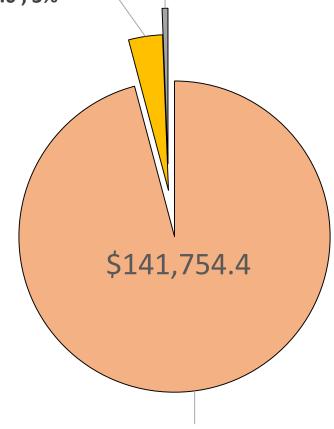
## FY23 Governor's Proposed Operating Budget

Designated General Funds (DGF), \$5,000.0, 3%

Other, \$859.7, 1%



All ships, all the time.



Federal, \$135,894.7,96%



\$ in Thousands (1,000)

## FY23 Governor's Proposed Operating Budget

		2019 Final uthorized		/2020 Final authorized		2021 Final uthorized	M	FY2022 anagement Plan	overnor's Proposed Budget		Δ	Δ%
Planned Weeks of Service		345.9		254.3		286.7		249.5	362.7		113.2	45%
Planned Port Calls		5,914		4,399		4,959		4,166	6,311		2,145	51%
Projected Revenue	\$	51,697.6	\$	48,070.2	\$	51,779.1	\$	53,365.1	\$ 53,314.8	\$	(50.3)	0%
Projected Fare Box Recovery		36%		48%		47%		43%	37%		(6)	-14%
Fund Source	<u> </u>	06 005 5	<u> </u>	46,002,2	<u> </u>	F4.044.0	<u> </u>	62.404.6		۵.	(52,404,6)	1000/
Unrestricted General Funds (UGF)		86,005.5	\$	46,002.2	\$	54,011.0	\$	63,401.6	\$ <u>-</u>	\$	(63,401.6)	-100%
Designated General Funds (DGF)	Ş	52,070.1	\$	55,492.6	\$	53,151.4	\$	5,425.7	\$ 5,000.0	\$	(425.7)	-8%
Other	\$	2,167.7	\$	8,071.3	\$	2,150.0	\$	1,308.3	\$ 859.7	\$	(448.6)	-34%
Federal- Relief Funding	\$	-	\$	-	\$	1,122.4	\$	112,768.0	\$ -	\$	(112,768.0)	-100%
Federal Funds (Including IIJA/BIL)	\$	-	\$	-	\$	-	\$	-	\$ 135,894.7	\$	135,894.7	100%
Operating Total	\$	140,243.3	\$	109,566.1	\$	110,434.8	\$	182,903.6	\$ 141,754.4	\$	(41,149.2)	-22%
			Α	MHS less Fo	rwa	rd Funding	\$	118,667.5		\$	23,086.9	19%



\$ in Thousands (1,000)

2/15/2022

FY2023

## AMHS Revenue & Weeks of Service FY2014 - FY2023





\$ in Thousands (1,000)

16

## Capital Projects: Vessels\*

**Hubbard: Vigor Shipyard** 

• \$15m

Complete August 19, 2022

Tustumena: Jag Shipyard

• \$9.4m

Complete July 15, 2022

Lituya

June-August 2022



	Programmed	Balance Remaining	% Work Complete
Planning	\$2,723,032	\$2,334,884	14%
Design	\$39,198,166	\$34,060,817	13%
Construction	\$102,561,763	\$38,268,153	63%

<sup>\*</sup> State and federally funded projects as of 1/15/22



## Capital Projects: Shoreside\*

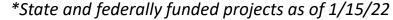
- Auke Bay Ferry Terminal
- Ketchikan Terminal
- Prince Rupert
- System-wide Terminal Improvements

**Programmed:** \$40.1m

Balance: \$17.6m



	Programmed	Balance Remaining	% Work Complete
Planning	\$300,000	\$109,332	64%
Design	\$16,175,471	\$16,001,922	1%
Construction	\$23,653,670	\$1,531,433	94%





## AMHS Surface Transportation Improvement Program (STIP) Projects

### 2020-2023 STIP Amendment 3

	FY23	After 2023
Fleet Condition Survey Update	\$500	\$1,000
Ferry Refurbishment	\$16,875	\$33,750
Design Construct Lease Purchase Ferryboats and Terminals	\$800	\$1,600
Tustumena Replacement Vessel	\$0	\$238,144

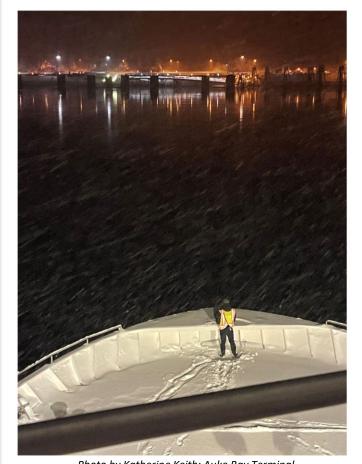
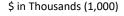


Photo by Katherine Keith: Auke Bay Terminal





## Tustumena Replacement Vessel (TRV) Construction

- Public notice released January 15, 2022
- Design by Glosten
- Construction Manager/General Contractor (CMGC) Request for Proposal (RFP) be released mid-March 2022
- Public comments occurred in 2014; Review underway again soon





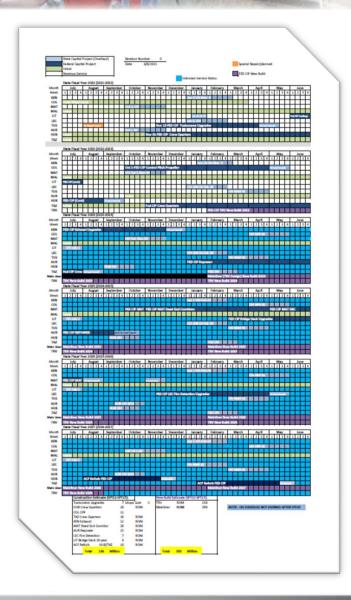
## **Long-term Planning**

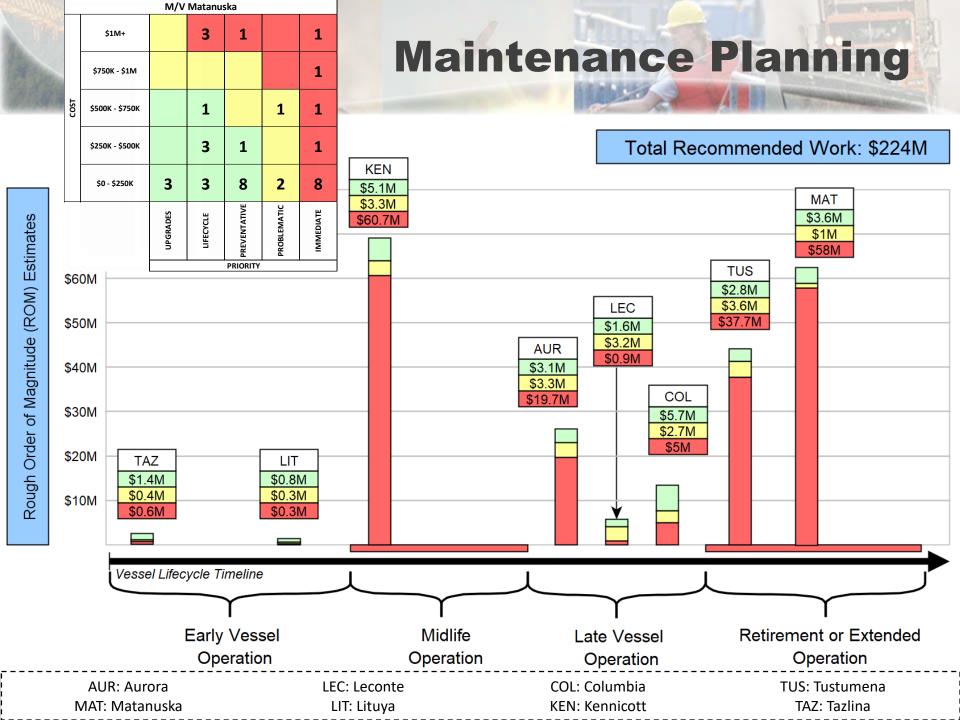
## **Planning for Success**

20-year Fleet Optimization PlanFY24 Operational Options Analysis20-year Business and Operations Plan









## Infrastructure Bill (IIJA-BIL)

- \$250 million over five years for an electric or low-emitting ferry pilot program, with at least one pilot conducted in the state with the most Marine Highway System miles.
- A proposed 1.9% increase to Ferry Boat and Terminal Formula,
   ~\$15M per year.
- \$1 billion over five years for funding to states to provide essential ferry service in rural communities.

### How are we preparing?

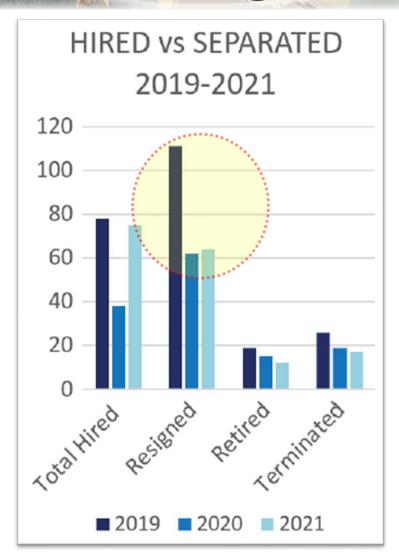
Low-Emission Ferry Partnerships
Scenario forecasting based on the 20-year Optimization Plan



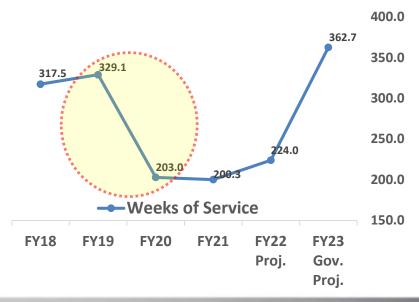


15/2022

## AMHS Staffing Shortages



Position	% Vacant (# of vacancies)
Entry-level Steward	71% (255)
Wiper	75% (6)
3rd Engineers	63% (12)
2nd Cook	61% (14)
Oilers	55% (21)
3rd Mates	41% (21)
2nd Steward	60% (6)
Chief Pursers	41% (8)
Jr Engineer	35% (6)
Chief Engineers	31% (8)





## **AMHS Staffing Shortages**

Fleet Configuration	Minimum Number of New Hires Needed			
Main fleet (AUR, MAT, LEC, LIT, KEN, TUS, TAZ)	49			
Main fleet, Columbia, no Tazlina	125			
Main fleet, Columbia, and Tazlina	166			

Staffing goals for eight ferries over the summer of 2022 are: IBU-634 (current 315) / MMP-112 (current 81) / MEBA-80 (current 55). Staffing goals for the summer season will not be met at current recruitment rates.

If staffing goals are not met by March 1, the Columbia will not be available for operations on May 1.

IBU: Inlandboatmen's Union of the Pacific

MMP: International Organization of Masters, Mates, & Pilots

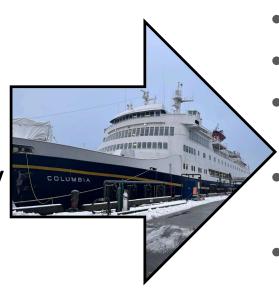
MEBA: Marine Engineers' Beneficial Association

AUR: Aurora COL: Columbia
MAT: Matanuska KEN: Kennicott
LEC: Leconte TUS: Tustumena
LIT: Lituya TAZ: Tazlina

## **AMHS Change Management**

## **Challenges**

- Aging Vessels
- Recruitment and Retention
- System Reliability
- Covid-19
- Lack of Public
   Confidence



## **Opportunities**

- Modernize the Fleet
- Improve Morale
- Increase Partnerships for Workforce Development
- Redefine Service Levels Based on Current Need.
- Transparent
   Communication &
   Increased Engagement
- Teaming for Success



## **Engage!**

### **For More Information:**

https://dot.alaska.gov/amhob/

https://dot.alaska.gov/amhs/

To Engage:

https://publicinput.com/amhobpublic







Photos by K. Keith: JNU ramp; Gustavus; Columbia Bar, Tazlina





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Photo by Sarah Roark: Sunset in Ketchikan, M/V LeConte tied to the dock.