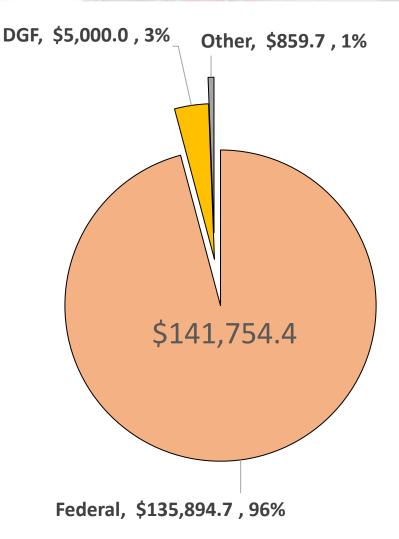
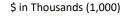


FY2023 Governor's Proposed



All ships, all the time.



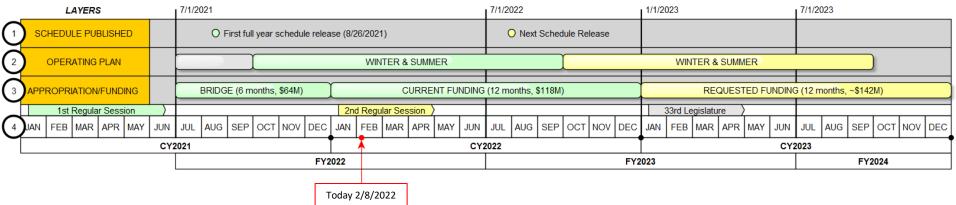




Forward Funded Budget Structure



AMHS OPERATIONAL LAYERS





FY2023 Governor's Proposed Budget

	FY2019 Final Authorized	FY2020 Final Authorized	FY2021 Final Authorized	FY2022 Management Plan	FY2023 Governor'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

Unrestricted General Funds (UGF)	\$ 86,005.5	\$ 46,002.2	\$ 54,011.0	\$ 63,401.6	\$ -	\$ (63,401.6)	-100%
Designated General Funds (DGF)	\$ 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%

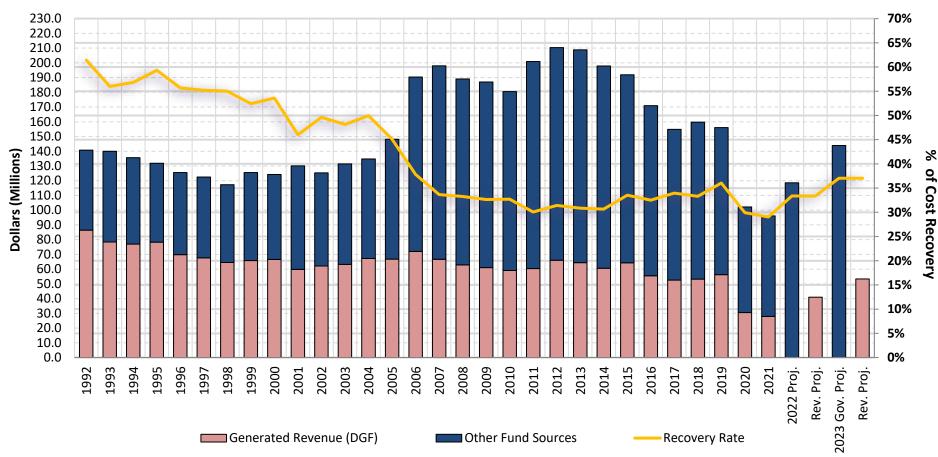
23,086.9 19% AMHS less Forward Funding \$ 118,667.5



\$ in Thousands (1,000)

Historical Revenues and Operating Costs

AMHS Fare Box Recovery Rate 1992-2023 Gov.



Significant Cost Increases

- FY2004 FY2007: Added the FVF Fairweather and FVF Chenega. Vessel wage increases of 6%, 7%, and 8%.
- FY2012 FY2013: Added ports and increased operating weeks



Note: Data is adjusted for inflation to 2021 values. Source: U.S. Bureau of Labor Statistics Consumer Price Index.

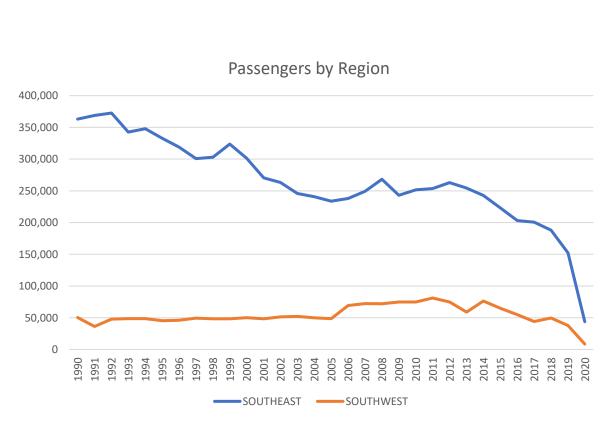
AMHS Revenue & Weeks of Service FY2014 – FY2023





\$ in Thousands (1,000)

Statistical Information: Passengers

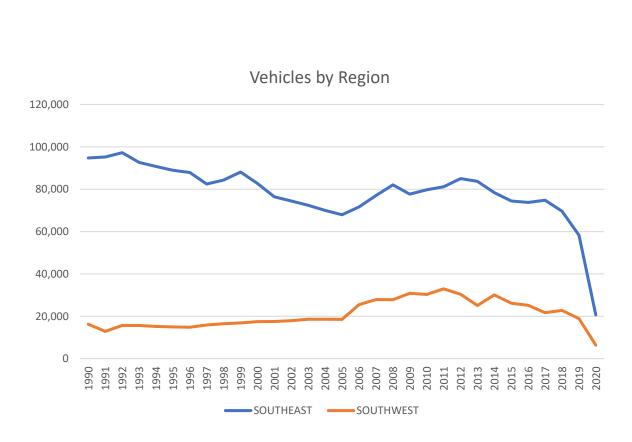


YEAR	SOUTHEAST	SOUTHWEST	TOTAL	
1990	363,122	50,271	413,393	
1991	368,780	36,248	405,028	
1992	372,680	47,756	420,436	
1993	342,613	48,678	391,291	
1994	347,998	48,545	396,543	
1995	332,712	45,373	378,085	
1996	318,864	46,053	364,917	
1997	300,653	49,450	350,103	
1998	303,076	48,337	351,413	
1999	323,608	48,437	372,045	
2000	301,244	50,216	351,460	
2001	270,507	48,384	318,891	
2002	263,105	51,304	314,409	
2003	245,818	52,147	297,965	
2004	240,666	49,959	290,625	
2005	233,667	48,569	282,236	
2006	237,965	69,255	307,220	
2007	249,310	72,299	321,609	
2008	268,335	72,077	340,412	
2009	242,940	74,951	317,891	
2010	251,503	74,810	326,313	
2011	253,554	81,224	334,778	
2012	262,931	74,843	337,774	
2013	254,437	58,874	313,311	
2014	242,648	76,356	319,004	
2015	223,000	65,133	288,133	
2016	203,237	54,805	258,042	
2017	200,559	44,189	244,748	
2018	188,054	49,555	237,609	
2019	152,310	37,808	190,118	
2020	43,723	8,473	52,196	

Traffic is reported on the calendar year.



Statistical Information: Vehicles



YEAR	SOUTHEAST	SOUTHWEST	TOTAL	
1990	94,730	16,310	111,040	
1991	95,173	12,860	108,033	
1992	97,239	15,656	112,895	
1993	92,598	15,696	108,294	
1994	90,758	15,245	106,003	
1995	88,942	15,031	103,973	
1996	87,863	14,809	102,672	
1997	82,451	15,878	98,329	
1998	84,328	16,490	100,818	
1999	88,101	16,921	105,022	
2000	82,651	17,484	100,135	
2001	76,413	17,533	93,946	
2002	74,460	17,943	92,403	
2003	72,386	18,586	90,972	
2004	69,993	18,620	88,613	
2005	67,938	18,580	86,518	
2006	71,609	25,461	97,070	
2007	77,000	27,913	104,913	
2008	82,040	27,799	109,839	
2009	77,671	30,870	108,541	
2010	79,745	30,330	110,075	
2011	81,118	32,982	114,100	
2012	85,009	30,439	115,448	
2013	83,707	25,090	108,797	
2014	78,372	30,106	108,478	
2015	74,399	26,148	100,547	
2016	73,787	25,182	98,969	
2017	74,818	21,708	96,526	
2018	69,562	22,787	92,349	
2019	58,268	18,935	77,203	
2020	20,653	6,353	27,006	

Traffic is reported on the calendar year.



AMHS Funds and Sweeps



Alaska Marine Highway System Fund (1076)AS 19.65.060, AS 37.05.550

Sweepable: Yes Swept Amount: \$0

AMHS Vessel Replacement Fund (1082)

AS 37.05.550

Sweepable: Yes

Swept Amount: \$21,684.3

Capitalization Account (3225)

subaccount of AMHS Fund

Sweepable: Yes

Swept Amount: \$2,629.4

(*Preliminary Unaudited Sweep Numbers)



FY2021 Operating Expenditures

Alaska Marine Highway System Fund

OPERATING EXPENDITURES

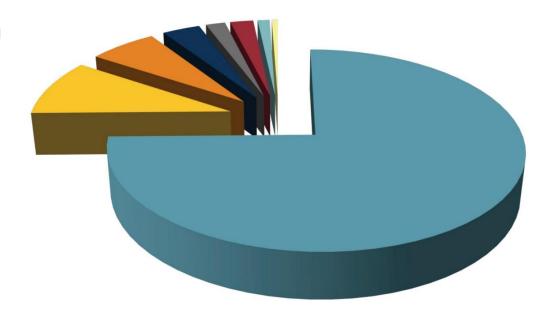
For the fiscal year ended June 30, 2021

\$96.1 MILLION

Marine Vessel Operations	74.7%	Operations Management	3.6%
Marine Fuel	9.6%	Overhaul	0.6%
Shore Operations	6.4%	Marine Engineering	1.8%
Reservations and Marketing	1.1%	Support Services	2.2%

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







FY2021 Operating Revenues

Alaska Marine Highway System Fund

UNRESTRICTED OPERATING REVENUES

For the fiscal year ended June 30, 2021

\$27.9 MILLION

Ticket Sales 82.0%

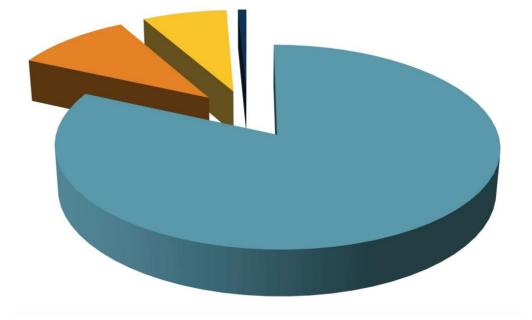
Stateroom Sales 10.0%

Passenger Services Sales 7.2%

Other Unrestricted Revenue 0.7%

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







Staying the Course, Toward Reliability

- Forward Funded Budget
- First Full Year Advance Schedule Published
- Tustumena Replacement Vessel: CMGC
- Hubbard: Crew Quarters
- Prince Rupert: Working toward May 1st
- Marine Highway Planner in Recruitment
- Contingent Private Contract Service
- Tazlina: Crewed, Sailing February 4th
- AMHOB Meeting February 11th
- New Change Management Director
 - Katherine Keith, PMP, PMI-ACP

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





AMHS Stakeholder Identified Issues

Aging ferry fleet

Insufficient Workforce Not meeting community needs

Limited ability to adapt to changing circumstances

Costly labor agreements

Equipment breakdowns

Cumbersome procurement processes

Too dependent on GF (\$54m in FY21)

Reduced ridership

Covid-19 impacts

Farebox recovery falls short of operating cost

No long-term system view or strategy

Lack of stability due to changing decisions of different policy directions Vessel assets misaligned with operational assets and customer demand.

Lack of clarity about long-term planning objectives

Lack of ferry service reliability

Budget cycle timing

Eliminating service needs to allow for alternative infrastructure and/or phasing

No or limited on board passenger services

Ferry efficiency ratio is very poor, no ferry route is net revenue positive

Labor contract provisions limit the ability to run fleet

Marine labor contracts are overly complicated

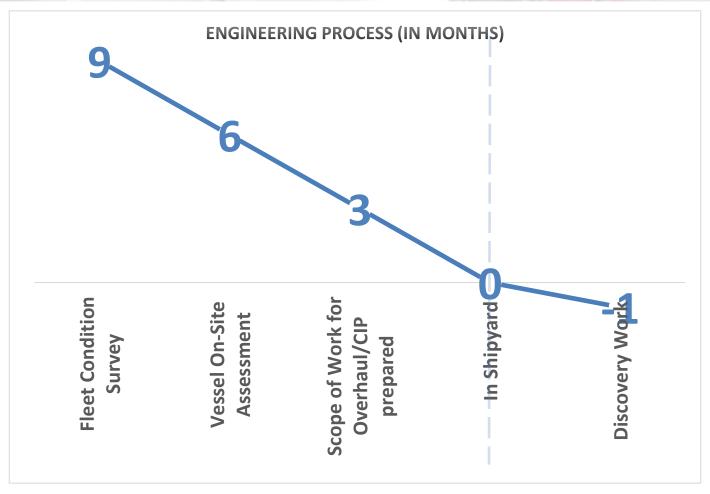
Poor system reliability

High system cost

Poor schedule predictability



Engineering Process

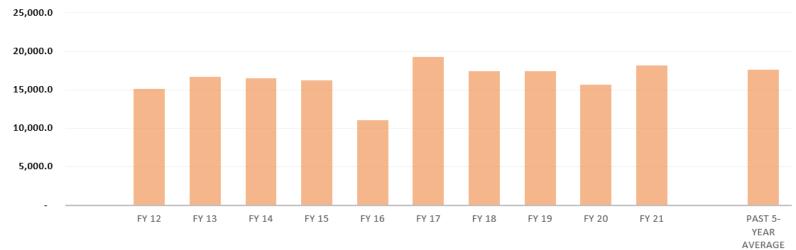


Weekly Vessel Status and Construction Reports
Plan of Day Reports "PODs"
835 Logs and SMR Reports



State Overhauls

Actual State Overhaul Expenditures FY12-FY21



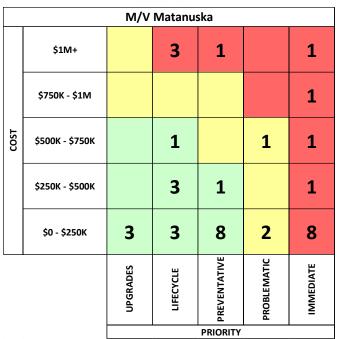
												AVERA	J E	
Vessel	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20		FY 21		Vessel Total	
Aurora	\$ 645.1	\$ 688.0	\$ 924.2	\$ 980.4	\$ 947.0	\$ 884.3	\$ 805.1	\$ 1,984.1	\$	856.4	\$	4,646.7	\$	13,361.3
Chenega	\$ 548.6	\$ 1,030.0	\$ 1,286.0	\$ 669.5	\$ 877.0	\$ 1,286.0	\$ 769.5	\$ 14.0	\$	-	\$	-	\$	6,480.6
Columbia	\$ 1,530.0	\$ 2,008.0	\$ 1,919.9	\$ 1,408.4	\$ 1,390.5	\$ 2,319.9	\$ 2,108.4	\$ 3,706.6	\$	2,363.1	\$	1,036.3	\$	19,791.1
Kennicott	\$ 1,459.0	\$ 2,123.5	\$ 2,531.3	\$ 2,782.8	\$ 1,544.5	\$ 2,931.3	\$ 2,582.8	\$ 4,181.0	\$	2,578.7	\$	2,023.6	\$	24,738.5
LeConte	\$ 563.5	\$ 1,361.2	\$ 1,736.8	\$ 1,324.5	\$ 944.0	\$ 2,136.8	\$ 1,564.5	\$ 1,684.0	\$	5,620.1	\$	1,280.3	\$	18,215.7
Malaspina	\$ 2,594.3	\$ 1,985.6	\$ 1,911.8	\$ 763.0	\$ 920.5	\$ 2,411.8	\$ 863.0	\$ 2,316.3	\$	171.6	\$	-	\$	13,937.9
Matanuska	\$ 2,548.6	\$ 1,543.3	\$ 1,712.2	\$ 3,949.7	\$ 1,105.5	\$ 2,112.2	\$ 3,949.7	\$ 94.5	\$	1,299.6	\$	5,107.6	\$	23,422.9
Taku	\$ 1,828.8	\$ 2,398.8	\$ 952.7	\$ 696.8	\$ 578.5	\$ 1,052.7	\$ 796.8	\$ -	\$	-	\$	-	\$	8,305.1
Tustumena	\$ 1,879.3	\$ 1,562.8	\$ 1,953.1	\$ 2,208.9	\$ 1,862.5	\$ 2,353.5	\$ 2,508.9	\$ 2,301.1	\$	1,954.7	\$	2,962.9	\$	21,547.7
Fairweather	\$ 994.4	\$ 1,412.5	\$ 912.0	\$ 923.9	\$ 435.7	\$ 912.0	\$ 1,006.6	\$ 272.8	\$	36.8	\$	-	\$	6,906.7
Tazlina	\$ -	\$ -	\$ -	\$ -	\$	\$ -	\$ -	\$ 19.5	\$	196.0	\$	853.9	\$	1,069.4
Hubbard	\$ -	\$ 0.8	\$	58.2	\$	49.1	\$	108.1						
Lituya	\$ 539.3	\$ 610.7	\$ 698.6	\$ 476.4	\$ 396.5	\$ 898.6	\$ 476.4	\$ 798.6	\$	510.2	\$	238.6	\$	5,643.9
TOTAL*	\$ 15,130.9	\$ 16,724.4	\$ 16,538.6	\$ 16,184.3	\$ 11,002.2	\$ 19,299.1	\$ 17,431.7	\$ 17,373.3	\$	15,645.4	\$	18,199.0	\$	163,528.9



\$ in Thousands (1,000)

Fleet Condition Survey: Priority Matrix





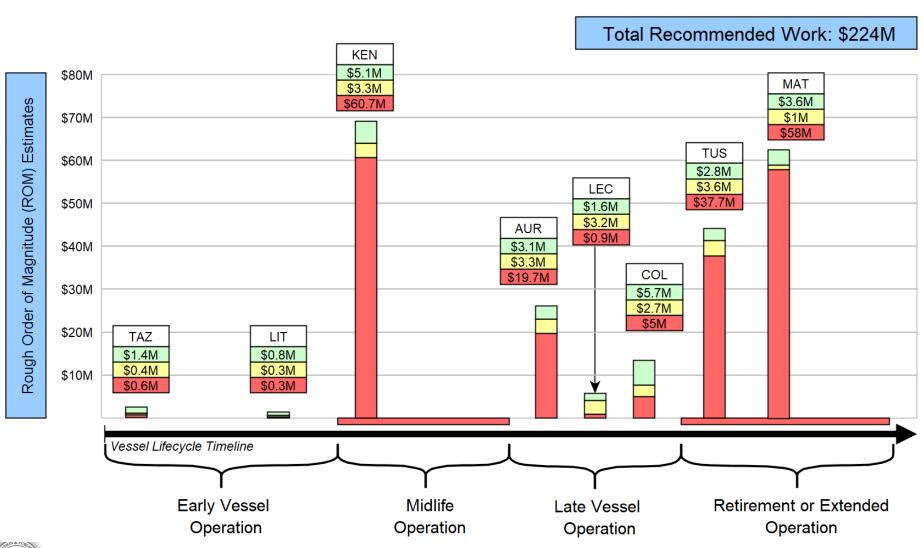


		M/	V Auror	9		
	\$1M+					1
	\$750K - \$1M					
COST	\$500K - \$750K			2	2	
	\$250K - \$500K			2	1	
	\$0 - \$250K	5	4	8	4	1
		UPGRADES	LIFECYCLE	PREVENTATIVE	PROBLEMATIC	IMMEDIATE
				PRIORITY		

Rating/ID	Туре	Description					
1	Immediate	Mission critical, regulatory and/or safety					
2 Problematic		Recurring problem areas or equipment					
3	Preventative	Item needs to be overhauled, or repaired					
4	Life Cycle	Outdated, or item has reached the recommended service life					
5	Upgrades	Recommendation (non-immediate)					



Cost per Vessel by Urgency





Fleet Condition Survey Recommendations



Photo by K. Keith (Tazlina)

	Recommended Work (ROM)			Unfunded Planned CIP Work	Outstanding Recommended Work			
Aurora	\$	20,127.0	\$	15,125.0	\$	5,002.0		
Columbia	\$	18,672.0	\$	12,000.0	\$	6,672.0		
Kennicott	\$	53,131.5	\$	-	\$	53,131.5		
LeConte	\$	4,354.5	\$	303.8	\$	4,050.8		
Lituya	\$	1,013.3	\$	-	\$	1,013.3		
Matanuska	\$	48,095.0	\$	33,275.0	\$	14,820.0		
Tazlina	\$	1,825.0	\$	-	\$	1,825.0		
Tustumena	\$	33,947.3	\$	-	\$	33,947.3		
TOTAL	\$	181,165.5	\$	60,703.8	\$	120,461.8		

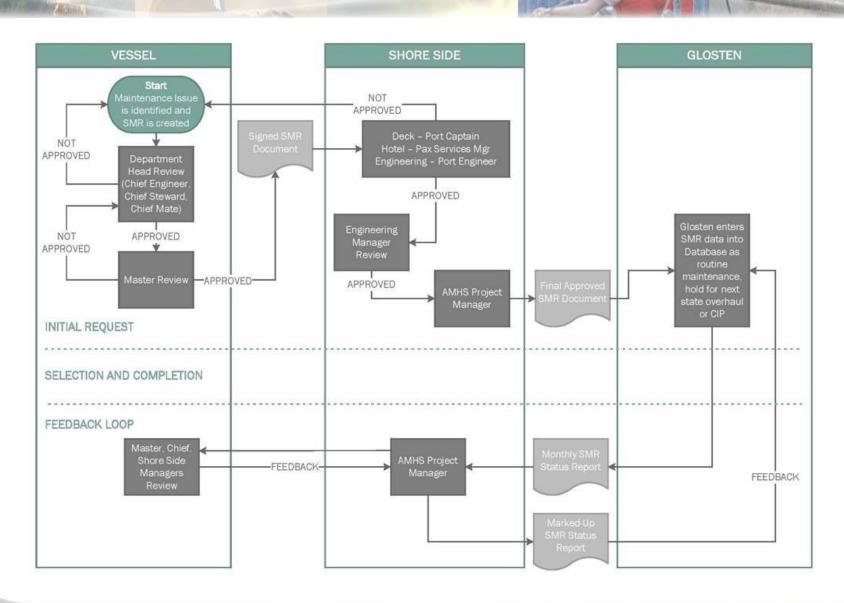
\$156M in outstanding work (with 30% non-construction costs)

2/8/2022

\$ in Thousands (1,000)



Ship Maintenance Requests (SMR)

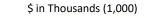




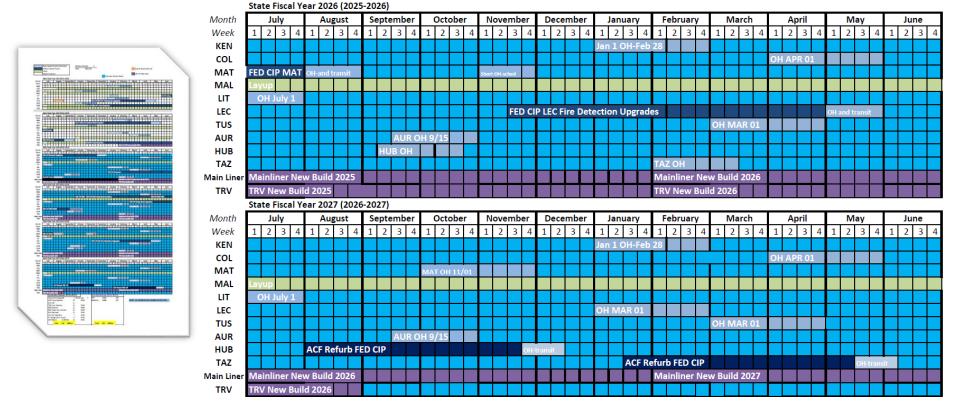
Ship Maintenance Requests (SMR)



	Tota	ROM SMR	Total Items	Average Age in Days
Aurora	\$	547.5	13	407
Columbia	\$	930.0	25	221
Hubbard	\$	10.0	1	28
Kennicott	\$	1,816.0	38	315
LeConte	\$	250.0	13	224
Lituya	\$	131.5	6	363
Matanuska	\$	270.0	23	197
Tazlina	\$	370.0	22	445
Tustumena	\$	373.0	11	334
Subtotal	\$	4,698.0	152	281

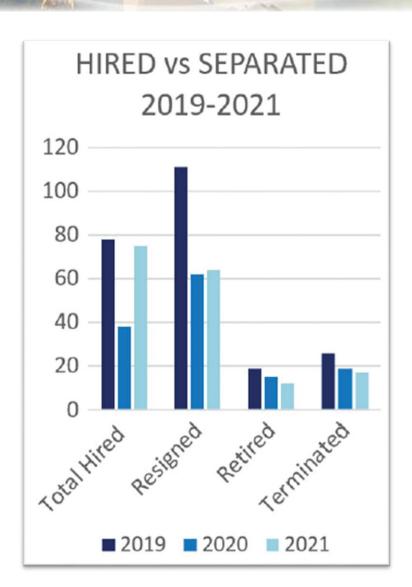


Engineering 5-year Master Plan





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 Targets

STAFFING SHORTFALL	New Hires
Vessel Configuration	Minimum Number
Main fleet (AUR, MAT, LEC, LIT, KEN, TUS) only	24
Adding Tazlina	68
Adding Columbia with no Tazlina	125
Adding both Tazlina and Columbia	166

Staffing goals for all eight ferries over the summer of 2022 are: IBU-634 (current 315) / MMP-112 (current 81) / MEBA-80 (current 55).

Working to increase recruitment rates for summer season staffing goals to be met.

Staffing goals must be met by March 1 for Columbia to be available for operations on May 1.









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

Appendix A: DOT&PF Use of AMHS



Amounts paid to AMHS from other DOT&PF components, deposited into the AMHS fund.

Fiscal Year	2016		2017		2018		2019		2020		2021		2022	
Capital	\$	42.3	\$	49.0	\$	67.1	\$	90.8	\$	28.0	\$	63.0	\$	20.2
Operating	\$	35.2	\$	42.6	\$	37.8	\$	48.0	\$	34.1	\$	46.3	\$	20.1
Total	\$	77.5	\$	91.6	\$	104.9	\$	138.8	\$	62.1	\$	109.3	\$	40.3



\$ in Thousands (1,000)