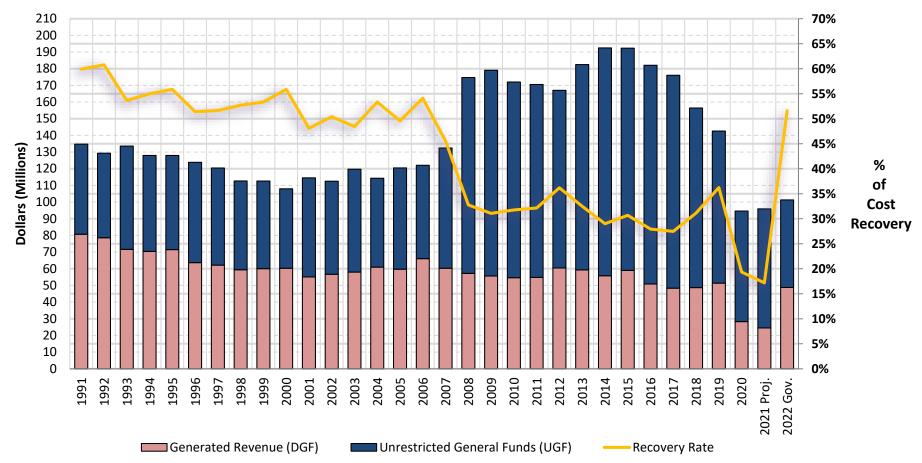


Alaska Marine Highway System (AMHS)



Historical Revenues and Operating Costs

AMHS Fare Box Recovery Rate 1991-2022 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

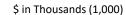
Note: Data is adjusted for inflation to 2020 values. Source: U.S. Bureau of Labor Statistics Consumer Price Index.



FY2022 AMHS Requested Scenario

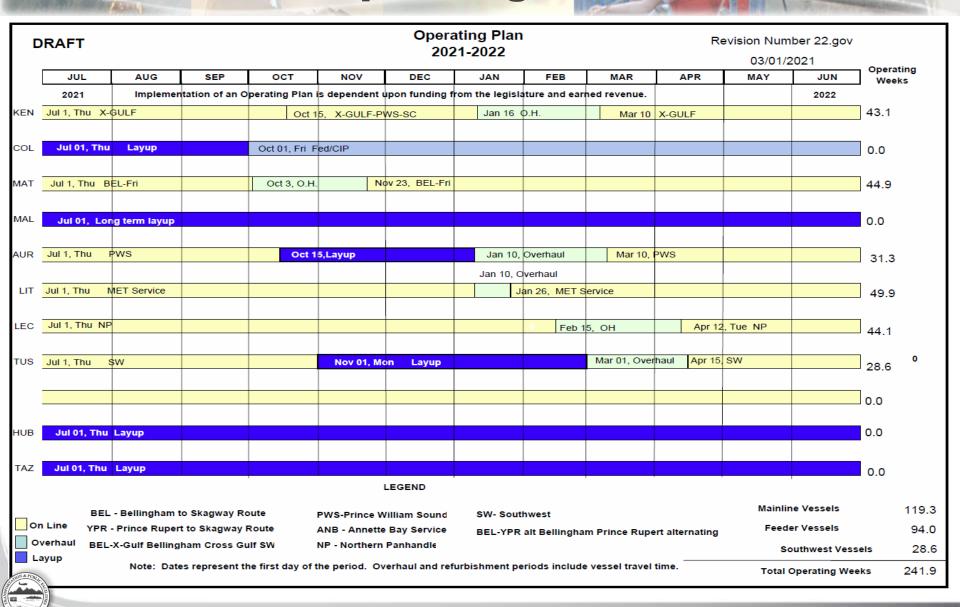
Description	FY2020 Authorized		FY2021 Authorized			FY2022 Governor's Proposed Budget		*FY2022 Scenario A Increased System-wide Service	
Weeks of Service		254.3		286.7	7		241.9		274.9
Port Calls		4,272		4,959	9		4,175		4,910
Revenue	\$	46,916.5	\$	51,779.3	1	\$	47,135.8	\$	50,100.9
Fare Box Recovery		48%		47%	6		46%		45%
Funding Sources									
UGF	\$	46,002.2	\$	54,011.0	0	\$	51,618.3	\$	56,008.7
DGF	\$	46,916.5	\$	51,779.3	1	\$	47,135.8	\$	50,100.9
Motor Fuel Tax	\$	3,617.1	\$	3,617.	1	\$	3,617.1	\$	3,617.1
CIP Receipts	\$	1,921.9	\$	850.0	0	\$	852.7	\$	852.7
Operating Total	\$ 9	98,457.7	\$ 110,257.2		2	\$ 103,223.9		\$ 110,579	
UGF Increase (Compared to FY2022 Gov.)								\$	4,390.4
DGF Increase (Compared to FY2022 Gov.)								\$	2,965.1
			\$	7,355.5					

^{*}Reflects Committee's requested scenario to increase system-wide frequency of service and reduce service gaps. This scenario adds service to SE Alaska, PWS, and Homer – Kodiak Island.

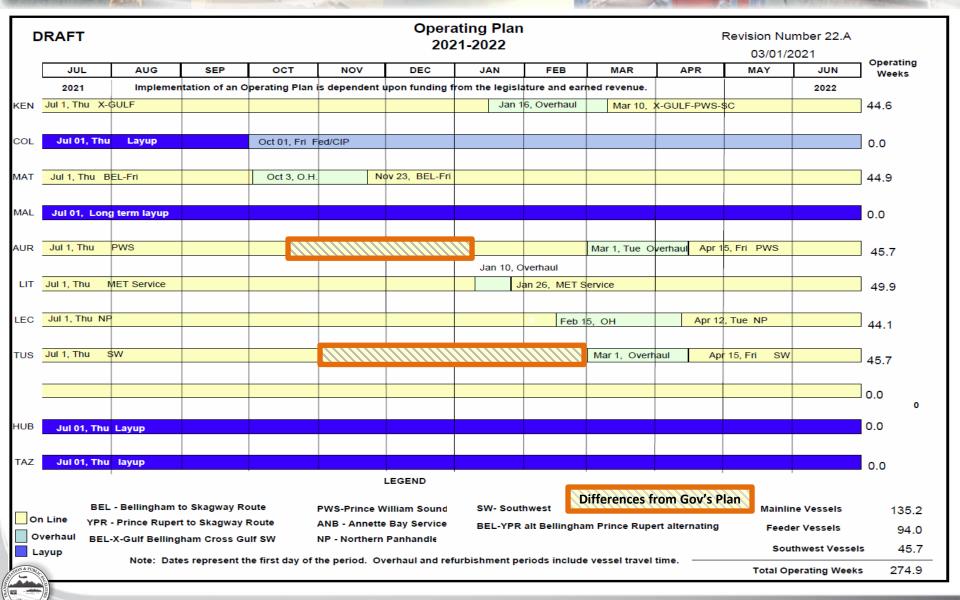


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FY2022 Governor's Proposed Budget Operating Plan



FY2022 Scenario A Sample Operating Plan



Winter Long-Term Layup vs. Operating Costs

Vessel (Layup Date)	Total Past Holding Costs*	Long-Term Layup Costs Per Week*	Projected FY2021 Layup Costs	Projected FY2022 Layup Costs	W	Vinter Operations			
					Weekly Operating Costs	Weekly Operating Revenue	Net Weekly Profit/(Loss)		
Fairweather (4/5/2019)	\$ 329.1	\$ 5.5	\$ 135.0	\$ 0.0	\$ 219.2	\$ 29.0	\$ (190.2)		
Chenega (4/26/2018)	498.3	5.5	132.0	0.0	219.2	26.0	(193.2)		
Malaspina (12/17/2019)	233.5	8.6	447.2	450.0	343.0	247.0	(96.0)		
Aurora (11/1/2019)	<u>176.4</u>	<u>5.4</u>	0.0	0.0	<u> 182.1</u>	36.0	(146.1)		
TOTAL	\$ 1,237.3	\$ 25.0	\$ 714.2	\$ 450.0	\$ 963.5	\$ 338.0	\$ (625.5)		

\$ in Thousands (1,000)



^{*}Includes moorage, security, and shore power as needed.

FY2015 - FY2022 Governor's Proposed Budget AMHS Service

	Actual	Actual	Actual	Actual	Actual	Actual	Projected	Gov. Proposed
Description	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Weeks of Service	378.3	355.9	329.6	317.5	329.1	203.0	204.8	241.9
Weeks of Service (less Metlakatla)	328	306	280	268	279	153	155	192
Ports of Call	6,478	6,504	5,891	5,570	5,695	3,182	3,402	4,175
Ports of Call (less Metlakatla)	5,991	6,023	5,370	5,101	5,191	2,728	2,899	3,675





FY2015 - FY2022 Governor's Proposed Budget AMHS Cash Sources & Uses

	Astual	01	A	0 -41	0	A street	Dunden stand	Carr Brancas d
	Actual	Actual	Actual	Actual	Actual	Actual	Projected	Gov. Proposed
Description	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Sources								
AMHS Generated Revenues	53,896.0	47,158.0	45,759.0	47,316.0	50,804.0	28,257.0	24,950.0	47,135.8
Restricted Revenues (CIP Rcpts)	896.0	603.0	659.0	977.0	399.0	734.0	850.0	852.7
UGF Appropriations (base budget)	107,781.6	94,958.0	89,263.0	41,949.0	85,991.0	45,821.0	54,011.0	51,618.3
DGF - Motor Fuel Tax (current statute)	-	-	-	3,552.4	3,617.1	3,617.1	3,617.1	3,617.1
Transfer from Capitalization	-	-	-	-	-			
CARES Act Funding						6,500.0	3,500.0	-
Fuel Trigger Appropriation	4,808.4	-	-	-	-		-	-
Excess Fuel Trigger Appropriation_	7,179.0	-	-	-	-		-	-
Total Sources	174,561.0	142,719.0	135,681.0	93,794.4	140,811.1	84,929.1	86,928.1	103,223.9
Uses								
Vessel Operations (less fuel)	112,120.0	106,661.0	99,029.0	102,272.0	102,849.0	71,969.0	70,082.7	72,606.7
Vessel Fuel Base	26,401.0	16,634.0	15,299.2	18,895.4	19,540.0	8,175.0	10,184.2	12,702.2
Fuel Trigger	-	-	-	-	-		-	-
Shoreside/ Other_	19,845.0	18,606.0	17,320.0	17,556.2	15,279.0	12,410.0	15,608.6	15,969.9
Operating Expenses	158,366.0	141,901.0	131,648.2	138,723.6	137,668.0	92,554.0	95,875.5	101,278.8
Support Services-DOT/DOA	2,431.9	3,280.9	3,280.9	3,287.4	3,204.0	2,091.0	2,244.7	1,945.1
CARES Act Funding						6,500.0	3,500.0	-
Supplemental (Oper Bdgt)							-	-
Annual Vessel Overhaul (Cap Bud)	-	-	-	-	13,500.0		15,000.0	-
Annual Vessel Overhaul (Sup Cap)					1,400.0	5,000.0		_
Transfer to Capitalization Acct_	-		-	-				
Total Uses	160,797.9	145,181.9	134,929.1	142,011.0	155,772.0	106,145.0	116,620.2	103,223.9
Suplus/(Deficit)	13,763.1	(2,462.9)	751.9	(48,216.6)	(14,960.9)	(21,215.9)	(29,692.1)	-
Traditional Fund -Draw_	-	2,462.9	-	48,216.6	14,960.9	21,215.9	20,419.4	
Remaining Deficit	-	-	-	-	-	-	(9,272.7)	-
Capitalization Acct - Draw_	-	-	-	-	_		2,630.1	_
Remaining Deficit	-	-	-	-	-	-	(6,642.6)	-

FY2014 - FY2022 Governor's Proposed Budget AMHS Fund Balance

	Actual	Actual	Actual	Actual	Actual	Actual	Projected	Gov. Proposed
Description	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22
Traditional Fund								
BOY Balance	7,144.0	20,907.1	18,444.2	28,660.9	10,444.3	25,546.4	5,944.4	-
Deposits	13,763.1	-	751.9	6,081.8	10,063.0	-	14,475.0	-
Supplemental Deposits_	-	-	9,464.8	23,918.2	20,000.0	1,613.9		
Subtotal	20,907.1	20,907.1	28,660.9	58,660.9	40,507.3	27,160.3	20,419.4	-
Withdrawals_	-	(2,462.9)	-	(48,216.6)	(14,960.9)	(21,215.9)	(20,419.4)	
EOY Balance	20,907.1	18,444.2	28,660.9	10,444.3	25,546.4	5,944.4	-	-
Capitalization Acct								
BOY Balance	2,644.0	2,644.0	2,630.1	2,630.1	2,630.1	2,630.1	2,630.1	-
Deposits	-	-	-	-	-	-	-	-
Withdrawals_	-	(13.9)	-	-	-	-	(2,630.1)	
EOY Balance	2,644.0	2,630.1	2,630.1	2,630.1	2,630.1	2,630.1	-	-
_								
Total Fund Balance	23,551.1	21,074.3	31,291.0	13,074.4	28,176.5	8,574.5	-	-



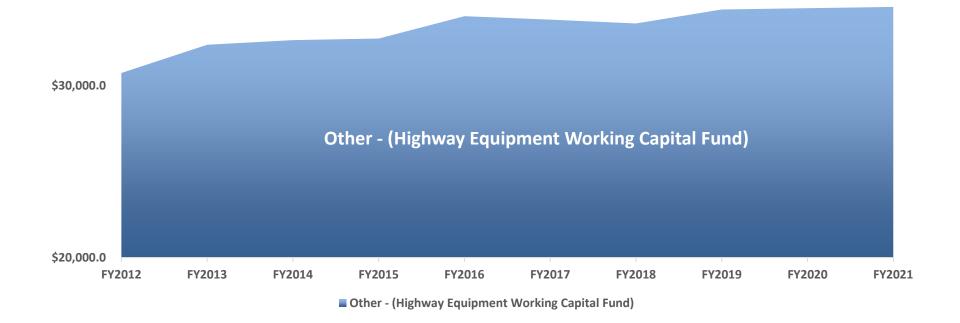
State Equipment Fleet (SEF)



Thompson Pass M&O crew. Photo by Alaska DOT&PF

State Equipment Fleet (SEF) 10-year Operating Budget History

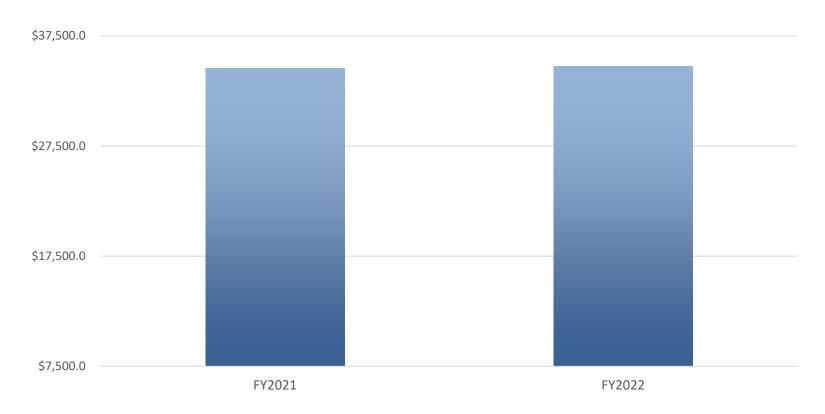
\$40,000.0



Fund Source	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021
Other - (Highway Equipment Working Capital Fund)	\$ 30,736.4	\$ 32,380.7	\$32,648.6	\$ 32,743.3	\$ 34,040.6	\$ 33,841.7	\$ 33,615.5	\$34,433.2	\$ 34,506.9	\$ 34,582.8
TOTAL	\$ 30,736.4	\$ 32,380.7	\$32,648.6	\$ 32,743.3	\$ 34,040.6	\$ 33,841.7	\$ 33,615.5	\$34,433.2	\$ 34,506.9	\$ 34,582.8



SEF Funding Comparisons



Fund Source	FY2021	FY2022	\$ Dif	ference	% Difference
Other - (Highway Equipment Working Capital Fund)	\$ 34,582.8	\$ 34,752.3	\$	169.5	0.49%
TOTAL	\$ 34,582.8	\$ 34,752.3	\$	169.5	0.49%



Who We Are and What We Do

158 Positions

126 mechanics
in 54 shops
located from
Kotzebue to Ketchikan

32 support staff: contracting, parts, administration and technical support, managers

Shared Service supporting all departments

- Contracting, Procurement, Disposal
- Maintenance, Repair, Modification
- Fuel Card Management and Billing
- Labor Resource Pool:
 - Maintenance and Operations 7,548 hours in 2020
 - DNR Forestry Support 4,140 hours in 2020



Shared Service for all Departments

Assets by Department					
01 Governor's Office	11				
02 Administration	19				
03 Law	13				
04 Revenue	2				
05 Education	10				
06 Health & Social Services	254				
07 Labor	77				
08 Commerce & Econ Dev	17				
09 Military & Veterans Affairs	115				
10 Natural Rescources	623				
11 Fish & Game	922				
12 Public Safety	745				
18 Environmental Conservation	66				
20 Corrections	641				
25 Transportation	4,184				
31 Legislative Affairs	9				
41 Court System	5				
99 UA, AHFC, AEA, AIDEA	874				
Total Fleet Assets	8,587				



No direct GF appropriation

Fleet services to all departments

Procurement and assets management services for UA, AHFC, AK Aerospace



SEF Challenges New & Old

Staffing Challenges

- Difficult to recruit statewide Shifting to a more hub-style staffing model
 - Valdez shop now week on week off using mechanics from other shops

Pandemic has delayed manufacturing across the industry

- Many manufacturers already shutting off Model Year 2021 orders
- Longer lead times for new equipment

Aging facilities create difficulties maintaining equipment



Challenges - Solutions

Equipment involved in accidents or major component failures

- Significant loss of auction value/no auction value
 - Motor Grader rolled
 - Rear tandem, transmission, radiator \$50k
 - Plow truck chassis replacement-blown engine
 - Transmission, oil pan, differential/suspension \$30k
 - Trooper SUV Accident total loss
 - Engine, LE equipment \$10k

Savings from used parts greater than expected auction revenue for damaged assets





SEF Challenges - Solutions

Warranty & Recall difficulties with a large fleet across the state

- Renewed warranty agreements with vehicle manufacturers
 - \$100k annual warranty reimbursement from one manufacturer
 - Faster process to clear safety and other recalls
 - Less downtime waiting for dealer warranty
 - Less travel time to deliver vehicles to dealer for warranty service







Mercury Associates

- Draft report received
- Reviewing findings with DOT&PF Leadership and consultants to produce final report
- Nine major, 55 minor recommendations
 - Evaluating for revision and implementation for capital and operating savings and improved service
 - Evaluating minor recommendations for immediate implementation



Strategic Improvements

- Rightsizing plan- reduce unneeded assets
 - Collaborate with all department's budget/decision makers
- Replacement plan based on cash flow
 - 20 year plan, FY2023 \$30M, gradual increase to \$60M
- Revise chargeback rate structure
 - Direct cost chargeback for maintenance
- Revise/Update Procedures Manual
- Replacement Cycle Analysis
 - Identify & review replacement cycles for all equipment



Strategic Improvements

- Develop/update Service Level Agreements
 - Update agreements with all user groups
- Salary/Wage analysis for maintenance staff
 - LTC Negotiations ongoing
- Increase training time and resources
 - Double current training hours; create training coordinator
- Fleet Advisory Committee
 - End user buy in/collaboration on fleet policy



Recommend use of HEWCF Balance Reserve

- Increased annual replacement
- Plan replacement of WX front line equipment

X-Class Asset Review

- In depth analysis of X-Class usage as front line assets
- X-Class assets have already been replaced/not included in current replacement plan
 - 1300 X-Class assets, estimated 50% used as front line assets
 - Develop a plan for future replacement of front line X-class, using HEWCF reserves



Thank You. Questions?

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