



# Alaska Department of Transportation & Public Facilities

## House Transportation: State Equipment Fleet

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Our mission is to ***Keep Alaska Moving*** through service and infrastructure.



# **State Equipment Fleet (SEF)**

## **Who we are & What we do**

**158 Positions**

**Shared Service supporting all departments**

**126 mechanics in  
54 shops located from  
Kotzebue to  
Ketchikan, Unalaska  
to Utqiagvik**

- **Contracting, Procurement, Disposal**
- **Maintenance, Repair, Modification**
- **Fuel Card Management and Billing**
- **Labor Resource Pool:**
  - **Maintenance and Operations:  
snow removal, ARFF**
  - **DNR Forestry Support**

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



# State Equipment Fleet

## Assets by Department

01 Governor's Office	13
02 Administration	14
03 Law	14
04 Revenue	3
05 Education	19
06 Health & Social Services	258
07 Labor	78
08 Commerce & Econ Dev	17
09 Military & Veterans Affairs	93
10 Natural Resources	603
11 Fish & Game	932
12 Public Safety	774
18 Environmental Conservation	64
20 Corrections	380
25 Transportation	4,095
31 Legislative Affairs	9
41 Court System	5
99 UA, AHFC, AEA, AIDEA	856
<b>Total Fleet Assets</b>	<b>8,227</b>

## SEF Mission

*Provide all state agencies with safe, economical vehicles and equipment needed to accomplish their mission*



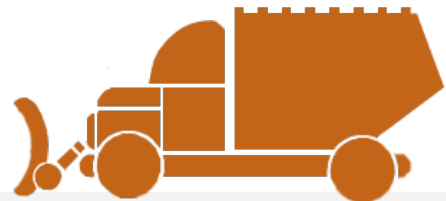




# SEF & HEWCF

## Highway Equipment Working Capital Fund (HEWCF 1026)

- The HEWCF is used to maintain the fleet and replace fleet vehicles
- SEF receives no direct General Fund appropriation; funding comes from fees paid by other state agencies
- SEF's rate system is designed to 'break even' or allocate all costs to customers
- SEF is a shared service:
  - All Executive Branch Agencies have SEF vehicles and equipment
  - SEF also provides asset management services for AHFC, University of Alaska, AK Railroad, AK Aerospace



# SEF Budget and Legislative Authority

## SEF Budget      Operating      Capital

FY2020	\$34.5	\$12.5
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FY2021	\$34.6	\$15.0
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FY2022	\$34.8	\$25.0
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FY2023	\$36.2	\$30.0
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FY2024* (Gov's budget request)	\$36.9	\$35.0
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## 2021 Cost

## 2023 Cost

5 CY Loader

\$358k

\$416k

Motor Grader

\$310k

\$366k

¾ Ton Crew Cab

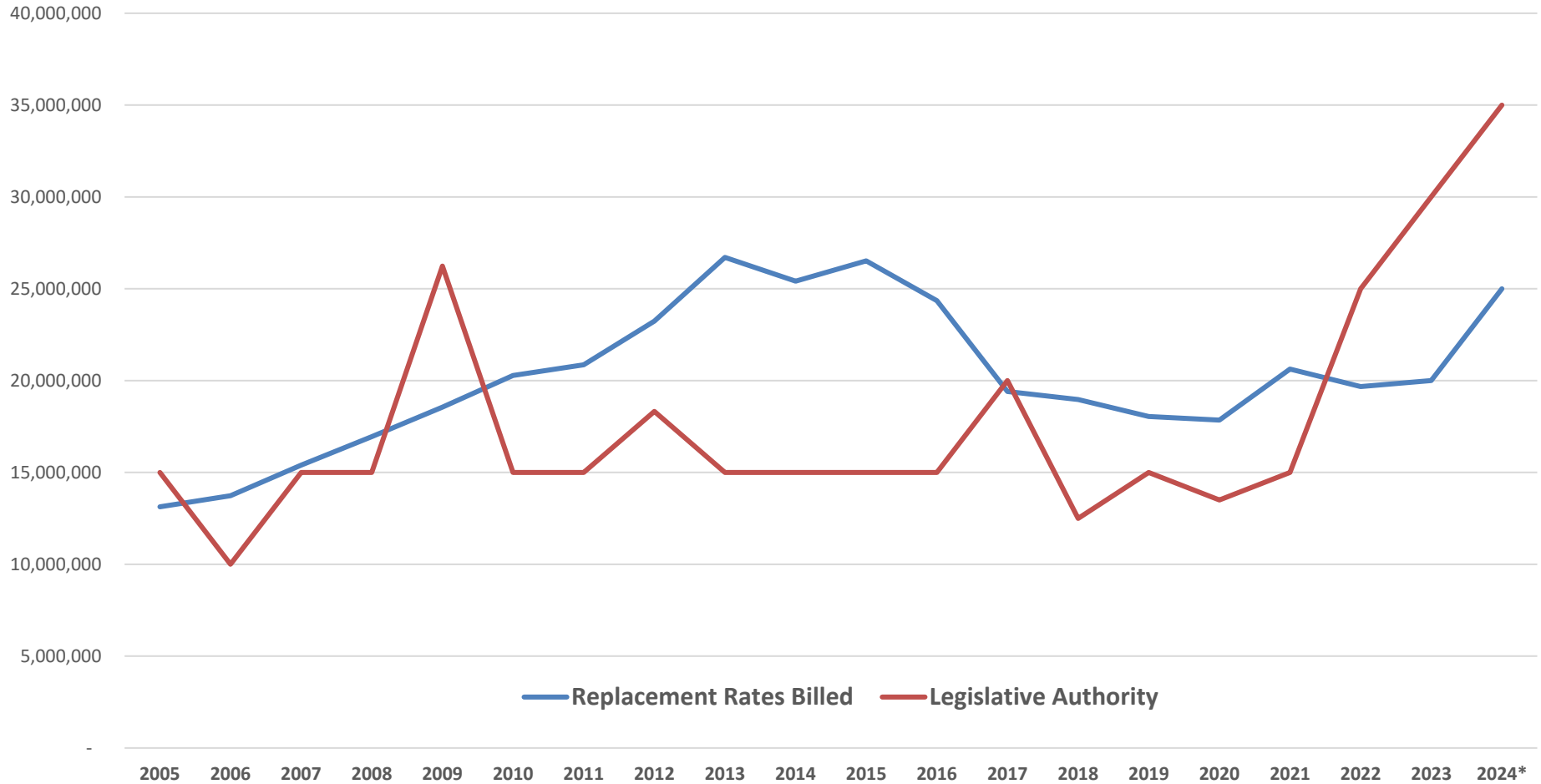
\$33K

\$51K



# Replacement (Capital) Funding

## HEWCF Replacement Rate Collection vs Capital LA



FY24 Replacement backlog: 1,300 assets, \$81M

HEWCF Replacement Reserves: \$60M

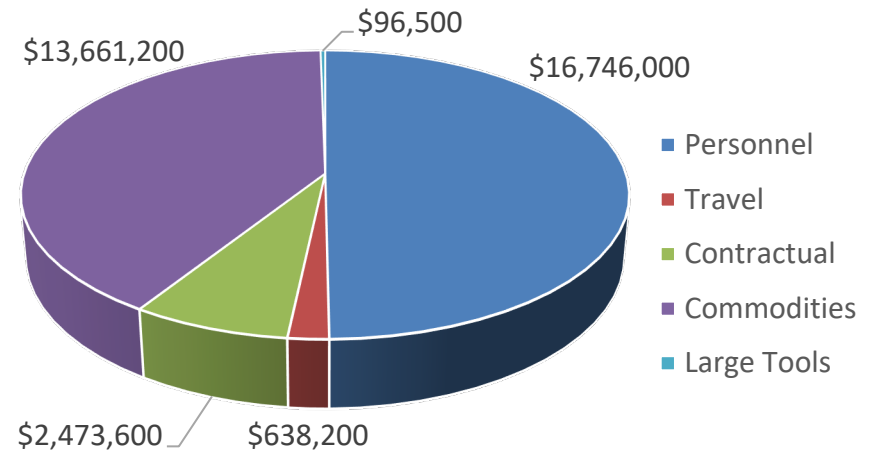


# Budget Breakdown

## Operating highlights:

- Personnel
- Travel- rural airport maintenance
- Repair costs- private vendor services, repair parts
- Fuel- 3,300 Fuel cards statewide

Operating Budget by category



## Capital highlights:

- Fleet asset replacement
- Upfitting
- Freight to destination



# SEF Challenges New & Old

## Workforce Challenges

- Difficult to recruit statewide urban & rural

## Supply Chain shortages present manufacturing challenges

- Manufacturers' ordering windows shrinking, build times expanding
- Longer lead times for new equipment & repair parts

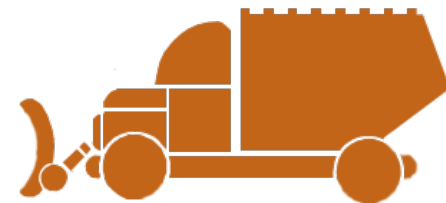


## Emissions & electronics on new equipment not AK friendly

- Exhaust aftertreatment systems with DEF
- Electronics not suited for severe climate

## Aging facilities create difficulties maintaining equipment

- Larger equipment requires larger more complex facilities





# Challenges – Solutions

## Workforce

- Shifting to hub style staffing model
- More flexible and alternative work schedules

## Parts availability & supply chain

- Retaining totaled & damaged equipment for spare parts
- Value of spare parts exceeds disposal/auction value
- Leveraging federal surplus for assets & parts
- Worldwide sourcing of repair parts

## Emissions & Electronics

- Rebuilding graders & other equipment w/o DEF systems
- Providing warranty services: Ford, GM, Heavy Equipment
- Purchasing truck cab & chassis vs total replacement





# Thank You.

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

