

2021 Capital Improvement Budget Fire Department

(in thousands)

Projects	Bonds	State	Federal	Other	Total
AFD Facility Improvements	500	-	-	-	500
Fire Ambulance Replacement	600	-	-	-	600
Fire Ladder Truck Replacement	1,450	-	-	-	1,450
Total	2,550	-	-	-	2,550

2021 - 2026 Capital Improvement Program Fire Department

(in thousands)

Projects	Year	Bonds	State	Federal	Other	Total
Emergency Medical Services						
Emergency Service Staff Light Duty Vehicle Replacement	2022	250	-	-	-	250
Fire Ambulance Replacement	2021	600	-	-	-	600
	2022	300	-	-	-	300
	2023	300	-	-	-	300
	2024	300	-	-	-	300
	2025	300	-	-	-	300
	2026	450	-	-	-	450
		2,250	-	-	-	2,250
Fire - Anchorage						
AFD Facility Improvements	2021	500	-	-	-	500
Fire Engine Replacement	2022	1,600	-	-	-	1,600
	2023	2,400	-	-	-	2,400
	2025	1,700	-	-	-	1,700
		5,700	-	-	-	5,700
Fire Ladder Truck Replacement	2021	1,450	-	-	-	1,450
	2026	1,500	-	-	-	1,500
		2,950	-	-	-	2,950
Fire Staff Light Duty Vehicle Replacement	2022	450	-	-	-	450
Fire Water Tender Replacement	2023	425	-	-	-	425
	2024	425	-	-	-	425
	2026	450	-	-	-	450
		1,300	-	-	-	1,300
HAZMAT Response Vehicle	2024	1,000	-	-	-	1,000
Replace Fire Station #11 in Eagle River	2022	1,500	-	-	-	1,500
	2023	6,500	-	-	-	6,500
		8,000	-	-	-	8,000
Replace Fire Station #12 and Maintenance Shop in South Anchorage	2022	3,400	-	-	-	3,400
	2024	13,600	-	-	-	13,600
		17,000	-	-	-	17,000
Replace/Combine Fire Stations #8 and #10 Upper Hillside	2024	1,500	-	-	-	1,500
	2025	6,500	-	-	-	6,500
		8,000	-	-	-	8,000

2021 - 2026 Capital Improvement Program Fire Department

(in thousands)

Projects	Year	Bonds	State	Federal	Other	Total
Training Center Burn Prop and Audio Visual Refresh	2022	1,250	-	-	-	1,250
	Total	48,650	-	-	-	48,650

AFD Facility Improvements

Project ID FD2019009 **Department** Fire
Project Type Improvement **Start Date** May 2020
District **End Date**

Community Council**Description**

This would provide for station maintenance and updates that are of substantial cost. Items like upgrading the power (electricity) capabilities and flooring updates. This would include installing an additional extractor at Station #1 for cleaning contaminated structural firefighter gear.

Comments

Station #1 is in need of additional electricity to provide heat in the station bay area. The station is approximately 18 years old and in need of some maintenance and improvements due to the increase in apparatus deployed from that location. The heating system currently in the station's apparatus bay is not adequate to keep the ambulances from cooling down. Crews are plugging in portable heaters on the ambulances to keep them at proper temperatures. This is a patient safety concern as a cold ambulance could exacerbate underlying medical conditions.

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	500	-	-	-	-	-	500
Total (in thousands)		500	-	-	-	-	-	500

Emergency Service Staff Light Duty Vehicle Replacement

Project ID FD2019008 **Department** Fire
Project Type Replacement **Start Date** May 2022
District **End Date**

Community Council**Description**

Programmed replacement of Emergency Medical Service (EMS) staff vehicles. This would allow for replacement of vehicles that have excessive mileage, suffer from unreliable performance, and have repairs that exceed the value of the vehicle. The criteria for determining the future replacement of vehicles is if they have over 150,000 miles or are over 15 years old or best meet operational needs of specialty teams.

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	401100 - Areawide General CIP Bond	-	250	-	-	-	-	250
Total (in thousands)		-	250	-	-	-	-	250

Fire Ambulance Replacement

Project ID	AFD07008	Department	Fire
Project Type	Replacement	Start Date	May 2018
District	Assembly: Areawide, HD 50: Anchorage Areawide	End Date	December 9999

**Community
Council****Description**

Programmed replacement of Areawide Emergency Medical Service (EMS) Medical Intensive Care Unit (MICU) ambulances to provide basic and advanced life support services and transport patients throughout the Municipality of Anchorage. Replace MICU ambulances in accordance with the Anchorage Fire Department's (AFD) vehicle replacement plan. Ambulances are heavily used and incur high levels of mileage. Ambulances are replaced approximately every 7 years. This will be the final year of purchasing new ambulances as we begin doing a re-chassis allowing us to refresh two ambulances for the cost of a new one. The funding in 2021 will be used to purchase one new ambulance and re-chassis two ambulances.

Comments

There are 13 ambulances that serve within the Anchorage Areawide Service Area; they are located at:

Station #1 - three (3)
 Station #3 - one (1)
 Station #4 - two (2)
 Station #5 - one (1)
 Station #6 - two (2)
 Station #7 - one (1)
 Station #9 - one (1)
 Station #11 - one (1)
 Station #12 - one (1)

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	401100 - Areawide General CIP Bond	600	300	300	300	300	450	2,250
Total (in thousands)		600	300	300	300	300	450	2,250

Fire Engine Replacement

Project ID	AFD07011	Department	Fire
Project Type	Replacement	Start Date	May 2017
District	Assembly: Areawide, HD 50: Anchorage Areawide	End Date	December 9999

**Community
Council****Description**

This project is to replace Fire Engine(s) in accordance with Anchorage Fire Department's (AFD) apparatus replacement schedule. The AFD has a replacement schedule that follows national standards for replacement of front line fire apparatus. The Fire Engine is the most common apparatus in the fleet and carries a pump, water tank, and fire hose. It responds to all types of emergencies including fires and medical emergencies. Fire Engines typically have a lifespan of 15 years or 150,000 miles. The Municipality is requesting funding for Fire Engines to replace two (2) in 2022, three (3) in 2023 and two (2) in 2025 that may include tools, equipment, and fire hose.

Comments

There are 14 Fire Engines that serve within the Anchorage Fire Service Area; they are located at:

Station #1 - two (2)
 Station #3 - one (1)
 Station #4 - one (1)
 Station #5 - one (1)
 Station #6 - one (1)
 Station #7 - one (1)
 Station #8 - one (1)
 Station #9 - one (1)
 Station #10 - one (1)
 Station #11 - one (1)
 Station #12 - one (1)
 Station #14 - one (1)
 Station #15 - one (1)

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	1,600	2,400	-	1,700	-	5,700
Total (in thousands)		-	1,600	2,400	-	1,700	-	5,700

Fire Ladder Truck Replacement

Project ID	AFD07018	Department	Fire
Project Type	Replacement	Start Date	May 2018
District	Assembly: Areawide, HD 50: Anchorage Areawide	End Date	December 9999

Community Council**Description**

This project is to replace front line ladder trucks in accordance with the Anchorage Fire Department's (AFD) apparatus replacement schedule.

The AFD has a replacement schedule that follows national standards for replacement of front line fire apparatus. The standard is for ladder trucks to be in front line operational service for the first 20 years and in reserve status for another 5 years, for a total of 25 years of service. The ladder truck carries a ladder, pump, and hose. It responds to all types of emergencies including fire and medical emergencies.

The 2020 funding request to replace one (1) ladder truck at Station #3, given it's unreliable and is often in the maintenance shop undergoing repairs, was approved to be bond funded in the spring of 2020. The manufacturer ceased operations in 2007, therefore, it is extremely difficult and expensive to obtain parts to keep it up and running.

The Municipality is requesting funding for Ladder Trucks to replace one in 2021 and one in 2026 that may include tools, equipment, and fire hose.

Comments

There are 5 Ladder Trucks that serve within the Anchorage Fire Service Area; they are located at:

Station #1 - one (1)
 Station #3 - one (1)
 Station #5 - one (1)
 Station #11 - one (1)
 Station #12 - one (1)

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	1,450	-	-	-	-	1,500	2,950
Total (in thousands)		1,450	-	-	-	-	1,500	2,950

Fire Staff Light Duty Vehicle Replacement

Project ID FD2019007 **Department** Fire
Project Type Replacement **Start Date** May 2022
District **End Date**

Community Council**Description**

Programmed replacement of staff and specialty teams (e.g. watercraft) vehicles. This would allow for replacement of vehicles that have excessive mileage, suffer from unreliable performance, and have repairs that exceed the value of the vehicle. The criteria for determining the future replacement of vehicles is if they have over 150,000 miles or are over 15 years old or best meet operational needs of specialty teams.

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	450	-	-	-	-	450
Total (in thousands)		-	450	-	-	-	-	450

Fire Water Tender Replacement

Project ID	AFD07023	Department	Fire
Project Type	Replacement	Start Date	May 2020
District	Assembly: Areawide, HD 50: Anchorage Areawide	End Date	December 9999

Community Council**Description**

This project is to replace water tenders. Water tenders are used to shuttle water to areas without fire hydrants.

Comments

There are 5 water tenders that serve within the Anchorage Fire Service Area; they are located at:

Station #8 - one (1)
 Station #9 - one (1)
 Station #10 - one (1)
 Station #11 - one (1)
 Station #14 - one (1)

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	-	425	425	-	450	1,300
Total (in thousands)		-	-	425	425	-	450	1,300

HAZMAT Response Vehicle

Project ID	FD2019001	Department	Fire
Project Type	Replacement	Start Date	May 2023
District		End Date	December 2024

Community Council**Description**

This project is to replace the Hazardous Materials (HAZMAT) Response Vehicle in accordance with Anchorage Fire Department's (AFD) apparatus replacement schedule. The AFD has a replacement schedule that follows national standards for replacement of front line fire apparatus. Front line Fire Apparatus typically have a lifespan of 20 years or 150,000 miles. The Municipality is requesting funding to replace one (1) HAZMAT Response Vehicle.

Comments

There is one (1) Hazmat Response Vehicle that serves within the Anchorage Fire Service Area; it is located at Station #1.

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	-	-	1,000	-	-	1,000
Total (in thousands)		-	-	-	1,000	-	-	1,000

Replace Fire Station #11 in Eagle River

Project ID	FD2019003	Department	Fire
Project Type	Improvement	Start Date	May 2022
District	Assembly: Section 3, Seats D & E, 25-M: Abbott, 27-N: Basher	End Date	
Community Council	Sand Lake, Taku/Campbell		

Description

This would replace Fire Station #11 in Eagle River. This will be a relocation that will require land acquisition. The Municipality is requesting funding for the Planning, Design and Land purchase of \$1.5M in 2022 and Construction cost of \$6.5M in 2023.

Comments

This station houses a ladder truck company, an engine company, a medic unit, and a tender. The current station structure was a temporary building meant to be replaced within five years. It has been occupied since 2001. There are structural issues as it is located on unstable ground.

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	1,500	6,500	-	-	-	8,000
Total (in thousands)		-	1,500	6,500	-	-	-	8,000

Replace Fire Station #12 and Maintenance Shop in South Anchorage

Project ID	AFD2019001	Department	Fire
Project Type	Improvement	Start Date	May 2022
District	Assembly: Section 3, Seats D & E, 25-M: Abbott, 27-N: Basher, Tax: 19 - Upper OMalley LRSA	End Date	
Community Council	Sand Lake, Taku/Campbell		

Description

This funding would replace and relocate Fire Station #12 and the Maintenance Shop in South Anchorage. This will be a relocation that will require land acquisition. The first year will be spent on site selection along with the land acquisition.

Comments

This station houses the Fire 911, Dispatch, and Fire data servers, management information systems, and records. A ladder truck company, an engine company, a medic unit and Battalion Chief are also housed at Station #12. The Maintenance shop is in need of additional bays to enable work on large apparatus, for example the tiller. This funding would reduce the congestion of the shop so staff could work on multiple units at a time. We have expanded our fleet over the year but have not increase the shop size to accommodate servicing the additional apparatus.



Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	3,400	-	13,600	-	-	17,000
Total (in thousands)		-	3,400	-	13,600	-	-	17,000

Replace/Combine Fire Stations #8 and #10 Upper Hillside

Project ID FD2019004 **Department** Fire
Project Type Improvement **Start Date** May 2025
District Assembly: Section 3, Seats D & E, 25-M: Abbott, 27-N: Basher **End Date**
Community Council Sand Lake, Taku/Campbell

Description

This would replace Fire Stations #8 and #10 on the Upper Hillside of Anchorage. This will be a relocation that will require land acquisition.

Consolidation of response resources on the Upper Hillside would improve efficiencies and reduce operational cost.

Legislative Scope

Fire Stations #8 and #10 each house an engine company and a tender. Fire Station #10 has a long history of well water problems and has delivered bottled drinking water.

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	-	-	1,500	6,500	-	8,000
Total (in thousands)		-	-	-	1,500	6,500	-	8,000

Training Center Burn Prop and Audio Visual Refresh

Project ID FD2019002 **Department** Fire
Project Type Improvement **Start Date** May 2022
District Assembly: Section 3, Seats D & E, 25-M: Abbott, 27-N: Basher **End Date**
Community Council Sand Lake, Taku/Campbell

Description

Replace the current burn prop due to significant maintenance and need for update. Burn Prop is a computer controlled fire training device used to simulate structure fire conditions using natural gas to provide a controllable fire environment. The audio visual equipment is outdated and needs to be updated to current standards to interface with devices.

Comments

Need newer and more effective technology.

Version 2021 Proposed

		2021	2022	2023	2024	2025	2026	Total
Revenue Sources	Fund							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	1,250	-	-	-	-	1,250
Total (in thousands)		-	1,250	-	-	-	-	1,250