

## 2020 Capital Improvement Budget Fire Department

(in thousands)

<b>Projects</b>	<b>Bonds</b>	<b>State</b>	<b>Federal</b>	<b>Other</b>	<b>Total</b>
AFD Facility Improvements	200	-	-	-	200
Fire Ambulance Replacement	1,400	-	-	-	1,400
Fire Ladder Truck Replacement	1,400	-	-	-	1,400
Fire Lifepack 12 Cardiac Monitors the Lucas CPR Chest	400	-	-	-	400
Compression Systems Replacement					
Shop Expansion	450	-	-	-	450
<b>Total</b>	<b>3,850</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,850</b>

## 2020 - 2025 Capital Improvement Program Fire Department

(in thousands)

Projects	Year	Bonds	State	Federal	Other	Total
Fire						
AFD Facility Improvements	2020	200	-	-	-	200
	2021	280	-	-	-	280
		480	-	-	-	480
Emergency Service Staff Light Duty Vehicle Replacement	2021	250	-	-	-	250
Fire Ambulance Replacement	2020	1,400	-	-	-	1,400
	2021	375	-	-	-	375
	2022	375	-	-	-	375
	2023	250	-	-	-	250
	2024	250	-	-	-	250
	2025	700	-	-	-	700
		3,350	-	-	-	3,350
Fire Engine Replacement	2021	1,600	-	-	-	1,600
	2022	1,600	-	-	-	1,600
	2023	800	-	-	-	800
	2025	1,700	-	-	-	1,700
		5,700	-	-	-	5,700
Fire Ladder Truck Replacement	2020	1,400	-	-	-	1,400
	2022	1,400	-	-	-	1,400
		2,800	-	-	-	2,800
Fire Lifepack 12 Cardiac Monitors the Lucas CPR Chest Compression Systems Replacement	2020	400	-	-	-	400
	2021	300	-	-	-	300
	2022	310	-	-	-	310
	2023	310	-	-	-	310
	2024	310	-	-	-	310
	2025	310	-	-	-	310
		1,940	-	-	-	1,940
Fire Staff Light Duty Vehicle Replacement	2021	400	-	-	-	400
Fire Water Tender Replacement	2022	425	-	-	-	425
	2024	425	-	-	-	425
		850	-	-	-	850
HAZMAT Response Vehicle	2023	1,000	-	-	-	1,000
Replace Fire Station #11 in Eagle River	2022	8,000	-	-	-	8,000

## 2020 - 2025 Capital Improvement Program Fire Department

(in thousands)

Projects	Year	Bonds	State	Federal	Other	Total
Replace Fire Station #12 in South Anchorage	2021	2,000	-	-	-	2,000
	2022	8,500	-	-	-	8,500
		10,500	-	-	-	10,500
Replace/Combine Fire Station #8 & #10 Upper Hillside	2023	8,000	-	-	-	8,000
Shop Expansion	2020	450	-	-	-	450
	2021	4,500	-	-	-	4,500
		4,950	-	-	-	4,950
<b>Total</b>		<b>48,220</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>48,220</b>

**AFD Facility Improvements**

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

**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** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	200	280	-	-	-	-	480
<b>Total (in thousands)</b>		<b>200</b>	<b>280</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>480</b>

**Emergency Service Staff Light Duty Vehicle Replacement**

**Project ID** FD2019008 **Department** Fire  
**Project Type** Replacement **Start Date** May 2021  
**Location** **End Date**

**Description**

Programmed replacement of 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 150K miles or are over 15 years old or best meet operational needs of specialty teams.

**Version** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	401100 - Areawide General CIP Bond	-	250	-	-	-	-	250
<b>Total (in thousands)</b>		-	<b>250</b>	-	-	-	-	<b>250</b>

**Fire Ambulance Replacement**

<b>Project ID</b>	AFD07008	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	May 2018
<b>Location</b>	Assembly: Areawide, HD 50: Anchorage Areawide	<b>End Date</b>	December 9999

**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. The funding in 2020 will replace four (4) ambulances. The regular scheduled replacement calls for three (3) ambulances to be replaced in 2020, however, there was an ambulance that was involved in a motor vehicle collision and totaled, requiring a fourth to be added to the request.

**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)

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**Version** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	401100 - Areawide General CIP Bond	1,400	375	375	250	250	700	3,350
<b>Total (in thousands)</b>		<b>1,400</b>	<b>375</b>	<b>375</b>	<b>250</b>	<b>250</b>	<b>700</b>	<b>3,350</b>

**Fire Engine Replacement**

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

**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 2021, two (2) in 2022, one (1) 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** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	1,600	1,600	800	-	1,700	5,700
<b>Total (in thousands)</b>		<b>-</b>	<b>1,600</b>	<b>1,600</b>	<b>800</b>	<b>-</b>	<b>1,700</b>	<b>5,700</b>

**Fire Ladder Truck Replacement**

<b>Project ID</b>	AFD07018	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	May 2018
<b>Location</b>	Assembly: Areawide, HD 50: Anchorage Areawide	<b>End Date</b>	December 9999

**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 is to replace one (1) ladder truck at Station #3, given its unreliable and is often in the maintenance shop undergoing repairs. The manufacturer ceased operations in 2007, therefore, it is extremely difficult and expensive to obtain parts to keep it up and running.

**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** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	1,400	-	1,400	-	-	-	2,800
<b>Total (in thousands)</b>		<b>1,400</b>	<b>-</b>	<b>1,400</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,800</b>



**Fire Lifepack 12 Cardiac Monitors the Lucas CPR Chest Compression Systems Replacement**

<b>Project ID</b>	AFD07022	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	May 2018
<b>Location</b>	Assembly: Areawide, HD 50: Anchorage Areawide	<b>End Date</b>	December 2025

**Description**

Areawide Emergency Medical Service (EMS) replacement of five (5) LifePack 12 cardiac monitors with new upgraded units and five (5) Lucas Cardiopulmonary Resuscitation (CPR) Chest Compression Systems for the Anchorage Fire Department (AFD). There are 23 Lucas (chest compression) devices deployed on AFD Engines (14), Advanced Life Support (ALS) 1 & 4 and the ambulances in Chugiak and Girdwood with three (3) spares. There are 34 Lifepacks deployed on all Areawide EMS ambulances (11), ALS 1 & 4, Chugiak and Girdwood ALS chase vehicles and AFD Engines (14) with four (4) spares.

**Version** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	401100 - Areawide General CIP Bond	400	300	310	310	310	310	1,940
<b>Total (in thousands)</b>		<b>400</b>	<b>300</b>	<b>310</b>	<b>310</b>	<b>310</b>	<b>310</b>	<b>1,940</b>

**Fire Staff Light Duty Vehicle Replacement**

**Project ID** FD2019007 **Department** Fire  
**Project Type** Replacement **Start Date** May 2020  
**Location** **End Date**

**Description**

Programmed replacement of staff and specialty teams (e.g., Rehab van / 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 150K miles or are over 15 years old or best meet operational needs of specialty teams.

**Version** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	400	-	-	-	-	400
<b>Total (in thousands)</b>		-	<b>400</b>	-	-	-	-	<b>400</b>

**Fire Water Tender Replacement**

<b>Project ID</b>	AFD07023	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	May 2020
<b>Location</b>	Assembly: Areawide, HD 50: Anchorage Areawide	<b>End Date</b>	December 9999

**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** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	-	425	-	425	-	850
	<b>Total (in thousands)</b>	-	-	<b>425</b>	-	<b>425</b>	-	<b>850</b>

**HAZMAT Response Vehicle**

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

**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.

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**Version** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	-	-	1,000	-	-	1,000
<b>Total (in thousands)</b>		-	-	-	<b>1,000</b>	-	-	<b>1,000</b>

**Replace Fire Station #11 in Eagle River**

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

**Description**

This would replace Fire Station #11 in Eagle River. This will be a relocation that will require land acquisition.

**Comments**

Current 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** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	-	8,000	-	-	-	8,000
<b>Total (in thousands)</b>		-	-	<b>8,000</b>	-	-	-	<b>8,000</b>

**Replace Fire Station #12 in South Anchorage**

**Project ID** AFD2019001 **Department** Fire  
**Project Type** Improvement **Start Date** May 2021  
**Location** Assembly: Section 3, Seats D & E, 25-M: Abbott, 27-N: Basher, Community: Sand Lake, Community: Taku/Campbell **End Date**

**Description**

This funding would replace Fire Station #12 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.

**Version** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	2,000	8,500	-	-	-	10,500
<b>Total (in thousands)</b>		-	<b>2,000</b>	<b>8,500</b>	-	-	-	<b>10,500</b>

**Replace/Combine Fire Station #8 & #10 Upper Hillside**

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

**Description**

This would replace Fire Station #8 & #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 Station 10 has a long history of well water problems and has delivered bottled drinking water.

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**Version** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	-	-	8,000	-	-	8,000
<b>Total (in thousands)</b>		-	-	-	<b>8,000</b>	-	-	<b>8,000</b>

**Shop Expansion**

**Project ID** FD2019006 **Department** Fire  
**Project Type** Improvement **Start Date** May 2020  
**Location** **End Date**

**Description**

The request is for a design study and analysis to accommodate an addition onto the existing shop, providing additional bays. The funding request in 2021 is the construction and build of the expansion/addition.

**Comments**

Bays are needed 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.

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**Version** 2020 Approved

		2020	2021	2022	2023	2024	2025	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	450	4,500	-	-	-	-	4,950
<b>Total (in thousands)</b>		<b>450</b>	<b>4,500</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4,950</b>