

2018 Capital Improvement Budget Fire Department

(in thousands)

| Projects | Bonds | State | Federal | Other | Total |
|--|--------------|--------------|----------------|--------------|--------------|
| Communications Radio Replacement | 1,500 | - | - | - | 1,500 |
| Fire Ladder Truck Replacement | 1,000 | - | - | - | 1,000 |
| Fire Lifepack 12 Cardiac Monitors & Lucas CPR Chest Compression Systems Replacement | 270 | - | - | - | 270 |
| Fire New Ambulance Purchase | 700 | - | - | - | 700 |
| Fire Staff Vehicle Replacement | - | - | - | 290 | 290 |
| Total | 3,470 | - | - | 290 | 3,760 |

2018 - 2023 Capital Improvement Program Fire Department

(in thousands)

| Projects | Year | Bonds | State | Federal | Other | Total |
|---|------|---------------|-------|---------|--------------|---------------|
| Anchorage Fire | | | | | | |
| Communications Radio Replacement | 2018 | 1,500 | - | - | - | 1,500 |
| Fire Air Resources Equipment Replacement | 2020 | 2,500 | - | - | 226 | 2,726 |
| Fire Engine Replacement | 2019 | 1,600 | - | - | - | 1,600 |
| | 2021 | 2,500 | - | - | - | 2,500 |
| | | 4,100 | - | - | - | 4,100 |
| Fire Ladder Truck Replacement | 2018 | 1,000 | - | - | - | 1,000 |
| Fire New Ambulance Purchase | 2018 | 700 | - | - | - | 700 |
| Fire Staff Vehicle Replacement | 2018 | - | - | - | 290 | 290 |
| | 2019 | - | - | - | 210 | 210 |
| | 2020 | - | - | - | 190 | 190 |
| | 2021 | - | - | - | 300 | 300 |
| | 2022 | - | - | - | 220 | 220 |
| | | - | - | - | 1,210 | 1,210 |
| Fire Water Tender Replacement | 2020 | 850 | - | - | - | 850 |
| Emergency Medical Services | | | | | | |
| Fire Ambulance Replacement | 2019 | 1,050 | - | - | - | 1,050 |
| | 2020 | 700 | - | - | - | 700 |
| | 2021 | 1,050 | - | - | - | 1,050 |
| | 2022 | 700 | - | - | - | 700 |
| | | 3,500 | - | - | - | 3,500 |
| Fire Lifepack 12 Cardiac Monitors & Lucas CPR Chest Compression Systems Replacement | 2018 | 270 | - | - | - | 270 |
| | 2019 | 280 | - | - | - | 280 |
| | 2020 | 290 | - | - | - | 290 |
| | 2021 | 300 | - | - | - | 300 |
| | | | 1,140 | - | - | - |
| Total | | 15,290 | - | - | 1,436 | 16,726 |

Communications Radio Replacement

Project ID FD2018001 **Department** Fire
Project Type Replacement **Start Date** May 2018
Location Assembly: Areawide, HD 50: Anchorage **End Date** December 2018
 Areawide, Community: Areawide

Description

This is to replace our current radios that given their age are no longer supported by the vendor. New ones would be water proof, impact resistant and rated for structural fire fighting. This would fund replacement of 230 hand-held portable radios.

Version 2018 Approved

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|-----------------------------|-------------------------------------|--------------|----------|----------|----------|----------|----------|--------------|
| Revenue Sources | Fund | | | | | | | |
| Bond Sale Proceeds | 431100 - Anchorage Fire SA CIP Bond | 1,500 | - | - | - | - | - | 1,500 |
| Total (in thousands) | | 1,500 | - | - | - | - | - | 1,500 |

Fire Air Resources Equipment Replacement

| | | | |
|---------------------|---|-------------------|---------------|
| Project ID | AFD2015001 | Department | Fire |
| Project Type | Upgrade | Start Date | May 2017 |
| Location | Assembly: Areawide, HD 50: Anchorage Areawide, Community: Anchorage Fire Service Area | End Date | December 2018 |

Description

This project would replace the entire inventory of Self-Contained Breathing Apparatus (SCBAs) for Anchorage Fire Department and replace the air compressors required to support the equipment. The fire department seeks SCBA's that provide reliable in-mask communications and comply with the current national standards. The AFD has \$226,000 that is intended as a match to the funding of this project.

Version 2018 Approved

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|-----------------------------------|---|------|------|--------------|------|------|------|--------------|
| Revenue Sources | Fund | | | | | | | |
| Bond Sale Proceeds | 431100 - Anchorage Fire SA CIP Bond | - | - | 2,500 | - | - | - | 2,500 |
| Contributions from Other Funds | 431800 - Anchorage Fire SA CIP Contributions | - | - | 226 | - | - | - | 226 |
| Total (in thousands) | | - | - | 2,726 | - | - | - | 2,726 |

Fire Ambulance Replacement

| | | | |
|---------------------|---|-------------------|---------------|
| Project ID | AFD07008 | Department | Fire |
| Project Type | Replacement | Start Date | May 2018 |
| Location | Assembly: Areawide, HD 50: Anchorage Areawide, Community: Areawide | End Date | December 2018 |

Description

Programmed replacement of Areawide EMS 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 department's vehicle replacement plan. Ambulances are heavily used and incur high levels of mileage. Ambulances are replaced approximately every 7 years.

Version 2018 Approved

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|-----------------------------|---|----------|--------------|------------|--------------|------------|----------|--------------|
| Revenue Sources | Fund | | | | | | | |
| Bond Sale Proceeds | 401100 - Areawide General CIP Bond | - | 1,050 | 700 | 1,050 | 700 | - | 3,500 |
| Total (in thousands) | | - | 1,050 | 700 | 1,050 | 700 | - | 3,500 |

Fire Engine Replacement

| | | | |
|---------------------|---|-------------------|---------------|
| Project ID | AFD07011 | Department | Fire |
| Project Type | Replacement | Start Date | May 2017 |
| Location | Assembly: Areawide, HD 50: Anchorage Areawide, Community: Anchorage Fire Service Area | End Date | December 2018 |

Description

This project is to replace Fire Engine(s) in accordance with AFD's apparatus replacement schedule. The AFD has a replacement schedule that follows national standards for replacement of front line fire apparatus. The Engine Company 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. Engine Companies typically have a lifespan of 15 years or 150,000 miles. The Municipality is requesting funding to replace two (2) Engine Companies in 2019 and three (3) Engine Companies in 2021 that may include tools, equipment and fire hose.

Version 2018 Approved

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|-----------------------------|--|-------------|--------------|-------------|--------------|-------------|-------------|--------------|
| Revenue Sources | Fund | | | | | | | |
| Bond Sale Proceeds | 431100 - Anchorage Fire SA CIP Bond | - | 1,600 | - | 2,500 | - | - | 4,100 |
| Total (in thousands) | | - | 1,600 | - | 2,500 | - | - | 4,100 |

Fire Ladder Truck Replacement

| | | | |
|---------------------|---|-------------------|---------------|
| Project ID | AFD07018 | Department | Fire |
| Project Type | Replacement | Start Date | May 2018 |
| Location | Assembly: Areawide, HD 50: Anchorage Areawide, Community: Anchorage Fire Service Area | End Date | December 2018 |

Description

This project is to replace front line ladder truck companies in accordance the AFD's apparatus replacement schedule. The AFD has a replacement schedule that follows national standards for replacement of front line fire apparatus. The truck company carries a ladder, pump and hose. It responds to all types of emergencies including fire and medical emergencies.

Version 2018 Approved

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|-----------------------------|--|--------------|----------|----------|----------|----------|----------|--------------|
| Revenue Sources | Fund | | | | | | | |
| Bond Sale Proceeds | 431100 - Anchorage Fire SA CIP Bond | 1,000 | - | - | - | - | - | 1,000 |
| Total (in thousands) | | 1,000 | - | - | - | - | - | 1,000 |

Fire Lifepack 12 Cardiac Monitors & Lucas CPR Chest Compression Systems Replacement

Project ID AFD07022 **Department** Fire
Project Type Replacement **Start Date** May 2018
Location Assembly: Areawide, HD 50: Anchorage **End Date** December 2021
 Areawide, Community: Areawide

Description

Area wide EMS replacement of five (5) LifePack 12 cardiac monitors with new upgraded units and five (5) Lucas CPR Chest Compression Systems for AFD.

Version 2018 Approved

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|-----------------------------|---|------------|------------|------------|------------|----------|----------|--------------|
| Revenue Sources | Fund | | | | | | | |
| Bond Sale Proceeds | 401100 - Areawide General CIP Bond | 270 | 280 | 290 | 300 | - | - | 1,140 |
| Total (in thousands) | | 270 | 280 | 290 | 300 | - | - | 1,140 |

Fire New Ambulance Purchase

Project ID FD2017002 **Department** Fire
Project Type New **Start Date** May 2017
Location Assembly: Areawide, HD 50: Anchorage **End Date** December 2018
 Areawide, Community: Areawide

Description

Acquisition of two (2) new Areawide EMS Ambulances to provide Basic Life Support services and transport patients throughout the Municipality of Anchorage. Ambulances are heavily used and incur high levels of mileage. The ongoing Operations & Maintenance cost of these two new ambulances are included in the 2018 Proposed General Government operating budget.

Version 2018 Approved

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|-----------------------------|---|------------|----------|----------|----------|----------|----------|------------|
| Revenue Sources | Fund | | | | | | | |
| Bond Sale Proceeds | 401100 - Areawide General CIP Bond | 700 | - | - | - | - | - | 700 |
| Total (in thousands) | | 700 | - | - | - | - | - | 700 |

Fire Staff Vehicle Replacement

Project ID AFD07009 **Department** Fire
Project Type Replacement **Start Date** January 2017
Location Assembly: Areawide, HD 50: Anchorage **End Date** December 2018
 Areawide, Community: Anchorage Fire Service Area

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 2018 Approved

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|--------------------------------|--|------------|------------|------------|------------|------------|----------|--------------|
| Revenue Sources | Fund | | | | | | | |
| Contributions from Other Funds | 431800 - Anchorage Fire SA CIP Contributions | 290 | 210 | 190 | 300 | 220 | - | 1,210 |
| Total (in thousands) | | 290 | 210 | 190 | 300 | 220 | - | 1,210 |

Fire Water Tender Replacement

Project ID AFD07023 **Department** Fire
Project Type Replacement **Start Date** May 2020
Location Assembly: Areawide, HD 50: Anchorage **End Date** December 2020
 Areawide, Community: Anchorage Fire
 Service Area

Description

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

Version 2018 Approved

| | | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | Total |
|-----------------------------|-------------------------------------|------|------|------------|------|------|------|------------|
| Revenue Sources | Fund | | | | | | | |
| Bond Sale Proceeds | 431100 - Anchorage Fire SA CIP Bond | - | - | 850 | - | - | - | 850 |
| Total (in thousands) | | - | - | 850 | - | - | - | 850 |