

## 2015 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>
Fire Ambulance Replacement	520	-	-	-	520
Fire Chugiak Air Compressors	-	60	-	-	60
Fire Chugiak New Fueling station at Fire Station 31	-	75	-	-	75
Fire Engine Replacement	1,800	-	-	-	1,800
Fire Personal Protective Gear Decontamination	-	140	-	-	140
Fire Replacement of Air Resources Equipment	-	2,275	-	325	2,600
Fire Replacement of Lifepack 12 Cardiac Monitors	90	-	-	-	90
Fire Rescue Boat Refurbishment	-	70	-	-	70
Fire Rescue Struts Replacement	-	50	-	-	50
Fire Staff Vehicle Replacement	-	90	-	-	90
Fire Uniform Laundry Equipment Upgrades	-	60	-	-	60
Fire Vehicle Extrication Equipment	-	110	-	-	110
Fire Water Craft Rescue Equipment	-	35	-	-	35
New Fire Station Land in the Midtown Area	-	2,000	-	-	2,000
<b>Total</b>	<b>2,410</b>	<b>4,965</b>	<b>-</b>	<b>325</b>	<b>7,700</b>

## 2015 - 2020 Capital Improvement Program Fire Department

(in thousands)

Projects	Year	Bonds	State	Federal	Other	Total
Anchorage Fire						
Fire Engine Replacement	2015	1,800	-	-	-	1,800
	2017	2,200	-	-	-	2,200
	2019	2,400	-	-	-	2,400
		6,400	-	-	-	6,400
Fire Ladder Truck Replacement	2018	1,700	-	-	-	1,700
Fire Personal Protective Gear Decontamination	2015	-	140	-	-	140
Fire Replacement of Air Resources Equipment	2015	-	2,275	-	325	2,600
Fire Rescue Boat Refurbishment	2015	-	70	-	-	70
Fire Rescue Struts Replacement	2015	-	50	-	-	50
Fire Staff Vehicle Replacement	2015	-	90	-	-	90
Fire Uniform Laundry Equipment Upgrades	2015	-	60	-	-	60
Fire Vehicle Extrication Equipment	2015	-	110	-	-	110
Fire Water Craft Rescue Equipment	2015	-	35	-	-	35
Fire Water Tender Replacement	2020	830	-	-	-	830
New Fire Station in the Midtown Area	2016	-	7,000	-	-	7,000
New Fire Station Land in the Midtown Area	2015	-	2,000	-	-	2,000
Chugiak Fire						
Fire Chugiak Air Compressors	2015	-	60	-	-	60
Fire Chugiak New Fueling station at Fire Station 31	2015	-	75	-	-	75
Emergency Medical Services						
Fire Ambulance Replacement	2015	520	-	-	-	520
	2016	790	-	-	-	790
	2017	540	-	-	-	540
	2018	800	-	-	-	800
	2019	550	-	-	-	550
	2020	810	-	-	-	810
		4,010	-	-	-	4,010
Fire Replacement of Lifepack 12 Cardiac Monitors	2015	90	-	-	-	90
	2016	95	-	-	-	95

## 2015 - 2020 Capital Improvement Program Fire Department

(in thousands)

Projects	Year	Bonds	State	Federal	Other	Total
Fire Replacement of Lifepack 12 Cardiac Monitors	2017	95	-	-	-	95
	2018	95	-	-	-	95
	2019	95	-	-	-	95
	2020	95	-	-	-	95
		565	-	-	-	565
<b>Total</b>		<b>13,505</b>	<b>11,965</b>	<b>-</b>	<b>325</b>	<b>25,795</b>

**Fire Ambulance Replacement**

**Project ID** AFD07008 **Department** Fire  
**Project Type** Replacement **Start Date** May 2015  
**Location** Assembly: Areawide, HD 50: Anchorage **End Date**  
Areawide, Community: Areawide

**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** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	401100 - Areawide General CIP Bond	520	790	540	800	550	810	4,010
<b>Total (in thousands)</b>		<b>520</b>	<b>790</b>	<b>540</b>	<b>800</b>	<b>550</b>	<b>810</b>	<b>4,010</b>

**Fire Chugiak Air Compressors**

<b>Project ID</b>	AFD2015004	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	
<b>Location</b>		<b>End Date</b>	

**Description**

This project is to fund two new air compressors for the Chugiak Volunteer Fire Department Fire Station 32 and 33. Air compressors are used to support the Self-Contained Breathing Apparatus (SCBAs) for the department.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	404900 - Chugiak Fire SA Grant	60	-	-	-	-	-	60
<b>Total (in thousands)</b>		<b>60</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>60</b>

**Fire Chugiak New Fueling station at Fire Station 31**

<b>Project ID</b>	AFD2015005	<b>Department</b>	Fire
<b>Project Type</b>	Renovation	<b>Start Date</b>	May 2015
<b>Location</b>		<b>End Date</b>	December 2016

**Description**

This project is to fund a replacement of the fueling station at Chugiak Volunteer Fire Department Fire Station 31.

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**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	404900 - Chugiak Fire SA Grant	75	-	-	-	-	-	75
<b>Total (in thousands)</b>		<b>75</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>75</b>

**Fire Engine Replacement**

**Project ID**      AFD07011                                      **Department**      Fire  
**Project Type**    Replacement    **Start Date**        May 2015  
**Location**        Assembly: Areawide, HD 50: Anchorage      **End Date**  
                           Areawide, Community: Anchorage Fire  
                           Service Area

**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 three Engine Companies in 2015, and may include tools, equipment and fire hose.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	1,800	-	2,200	-	2,400	-	6,400
<b>Total (in thousands)</b>		<b>1,800</b>	<b>-</b>	<b>2,200</b>	<b>-</b>	<b>2,400</b>	<b>-</b>	<b>6,400</b>





**Fire Personal Protective Gear Decontamination**

<b>Project ID</b>	AFD2012010	<b>Department</b>	Fire
<b>Project Type</b>	New	<b>Start Date</b>	May 2015
<b>Location</b>	HD 50: Anchorage Areawide, Community: Areawide	<b>End Date</b>	December 2015

**Description**

Firefighters are required to wash their protective gear after an exposure to hazardous materials to help reduce carcinogen exposure which are often encountered during all types of emergencies. Gear dryers will reduce the chance that firefighters at busy stations would be forced to respond in wet protective gear, reducing the occurrence of steam burns.

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**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	431900 - Anchorage Fire SA CIP Grant	140	-	-	-	-	-	140
<b>Total (in thousands)</b>		<b>140</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>140</b>

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**Fire Replacement of Air Resources Equipment**

<b>Project ID</b>	AFD2015001	<b>Department</b>	Fire
<b>Project Type</b>	Upgrade	<b>Start Date</b>	May 2015
<b>Location</b>		<b>End Date</b>	December 2016

**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 \$325,000 that is intended as a match to the State request to fund the project.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Contributions from Other Funds	401800 - Areawide General CIP Contributions	325	-	-	-	-	-	325
SOA Grnt Rev-Direct	401900 - Areawide General CIP Grant	2,275	-	-	-	-	-	2,275
<b>Total (in thousands)</b>		<b>2,600</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,600</b>

**Fire Replacement of Lifepack 12 Cardiac Monitors**

<b>Project ID</b>	AFD07022	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	May 2015
<b>Location</b>	Assembly: Areawide, HD 50: Anchorage Areawide, Community: Areawide	<b>End Date</b>	December 2015

**Description**

Area wide EMS replacement of three (3) LifePack 12 cardiac monitors with new upgraded units for AFD.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	401100 - Areawide General CIP Bond	90	95	95	95	95	95	565
<b>Total (in thousands)</b>		<b>90</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>95</b>	<b>565</b>



**Fire Rescue Struts Replacement**

<b>Project ID</b>	AFD2012007	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	April 2015
<b>Location</b>	HD 50: Anchorage Areawide, Community: Areawide	<b>End Date</b>	December 2015

**Description**

The fire department has 6 sets of steel Rescue 42 struts. They are used to stabilize a vehicle that is resting on its side during vehicle extrication. These sets are on front-line apparatus and with the urban search and rescue team. The steel sets are in need of replacement with Kevlar struts. The Kevlar composite struts have many benefits over the steel ones; specifically that composite is ½ the weight with 4 times the strength, and much more resistant to environmental damage.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	431900 - Anchorage Fire SA CIP Grant	50	-	-	-	-	-	50
<b>Total (in thousands)</b>		<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50</b>

**Fire Staff Vehicle Replacement**

<b>Project ID</b>	AFD07009	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	April 2015
<b>Location</b>	Assembly: Areawide, HD 50: Anchorage Areawide, Community: Areawide	<b>End Date</b>	December 2015

**Description**

Programmed replacement of staff vehicles. This would allow for replacement of staff vehicles that have excessive mileage, suffer from unreliable performance, and have repairs that exceed the value of the vehicle.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	431900 - Anchorage Fire SA CIP Grant	90	-	-	-	-	-	90
<b>Total (in thousands)</b>		<b>90</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>90</b>

**Fire Uniform Laundry Equipment Upgrades**

<b>Project ID</b>	AFD2012004	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	May 2015
<b>Location</b>	HD 50: Anchorage Areawide, Community: Areawide	<b>End Date</b>	December 2016

**Description**

The purpose of this project is to install washer and dryers at Anchorage fire stations for use washing uniforms and other required clothing. Currently each fire station has a commercial washer and dryer for personal protective equipment though the National Fire Protection Association requires that personal clothing not be washed and dried in these units. This project would entail design, engineering and construction to consist of modifying the structural, electrical, mechanical and plumbing associated with each station for the washer and dryers. The following Fire Stations are in need: 9 (Huffman), 10 (Rabbit Creek), 11 (Eagle River), 14 (Campbell Airstrip), 15 (Southport). If this project is not funded through an interest appropriation the fire department is requesting it be submitted as a Legislative Request to the State of Alaska.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	431900 - Anchorage Fire SA CIP Grant	60	-	-	-	-	-	60
<b>Total (in thousands)</b>		<b>60</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>60</b>

**Fire Vehicle Extrication Equipment**

<b>Project ID</b>	AFD10997	<b>Department</b>	Fire
<b>Project Type</b>	Replacement	<b>Start Date</b>	May 2015
<b>Location</b>	Community: Anchorage Fire Service Area	<b>End Date</b>	December 2015

**Description**

This project would purchase three eDraulic extrication tools to outfit the remaining Ladder Truck companies in AFD with this rescue tool. The tool is similar to the Jaws of Life and would assist in the rapid extrication of victims entrapped in vehicles or collapsed buildings/structures, including fire fighters. This tool is battery powered, increasing its portability and convenience of use. The AFD has purchased these tools in the past three years and has found them to be very reliable and efficient.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	431900 - Anchorage Fire SA CIP Grant	110	-	-	-	-	-	110
<b>Total (in thousands)</b>		<b>110</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>110</b>



**Fire Water Craft Rescue Equipment**

**Project ID** AFD2011003 **Department** Fire  
**Project Type** New **Start Date** May 2015  
**Location** Assembly: Areawide, HD 50: Anchorage **End Date** December 2015  
 Areawide, Community: Areawide

**Description**

This project will purchase personal water craft for use in lakes, rivers and shallow water applications. The fire department maintains a Swift Water Rescue team at Fire Station 11, which responds to water rescue calls throughout the Municipality. They have tested an aluminum wave runner. It is capable of running the whole river including the rapids. This in itself makes searching and rescue much more rapid and efficient. The hull is durable enough to beach on gravel. The platform is quite stable; in testing the firefighters were unable to roll it. It is both powerful and maneuverable for swift water applications. We were able to search the river in a third of the time it would take using the department's existing jet boat. It has shallow draft and near impossible to swamp. To date, it is the best water craft for our needs. These are easier to launch, operate and markedly faster than a jet boat. Further, because of the sealed cooling system, these craft are designed to assist in salt water searches and rescues as well as fresh water. Station 11, together with the Chugiak Volunteer Fire Department, have a significant increased capability to respond in those places where large boats are unable to access.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	431900 - Anchorage Fire SA CIP Grant	35	-	-	-	-	-	35
<b>Total (in thousands)</b>		<b>35</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>35</b>

**Fire Water Tender Replacement**

**Project ID** AFD07023 **Department** Fire  
**Project Type** Replacement **Start Date** May 2014  
**Location** Assembly: Areawide, HD 50: Anchorage **End Date**  
 Areawide, Community: Areawide

**Description**

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

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
Bond Sale Proceeds	431100 - Anchorage Fire SA CIP Bond	-	-	-	-	-	830	830
<b>Total (in thousands)</b>		-	-	-	-	-	<b>830</b>	<b>830</b>

**New Fire Station in the Midtown Area**

<b>Project ID</b>	AFD2013001	<b>Department</b>	Fire
<b>Project Type</b>	New	<b>Start Date</b>	May 2016
<b>Location</b>		<b>End Date</b>	

**Description**

This is for a new fire station in the Midtown area of Anchorage; in the general location of Fireweed and C St. One of the two existing Engine Companies at the downtown fire station would be redeployed at this location. This area is a high call volume area, where the AFD is not able to meet its 4-minute response time goal. The goal is to arrive in 4 minutes 90% of the time, and the current results are between 50% and 60% in this response area. This is a strategic location that will improve our response times. This project is being presented in phases; the first phase was the purchase of the land and this request is to secure funding for the fire station. This station is the fire department's highest priority and is identified as such in the strategic audit prepared by the consulting firm Matrix.

**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	431900 - Anchorage Fire SA CIP Grant	-	7,000	-	-	-	-	7,000
<b>Total (in thousands)</b>		-	<b>7,000</b>	-	-	-	-	<b>7,000</b>

**New Fire Station Land in the Midtown Area**

<b>Project ID</b>	AFD2013005	<b>Department</b>	Fire
<b>Project Type</b>	New	<b>Start Date</b>	August 2013
<b>Location</b>		<b>End Date</b>	

**Description**

This is for land to build a new fire station in the Midtown area of Anchorage; in the general location of Fireweed and C St. One of the two existing Engine Companies at the downtown fire station would be redeployed at this location. This area is a high call volume area, where the AFD is not able to meet its 4-minute response time goal. The goal is to arrive in 4 minutes 90% of the time, and the current results are between 50% and 60% in this response area. This is a strategic location that will improve our response times. This project is being presented in phases; the first phase is to purchase the land and in a future year the fire department will secure funding for the fire station. This station is the fire department's highest priority and is identified as such in the strategic audit prepared by the consulting firm Matrix.

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**Version** 2015 Approved

		2015	2016	2017	2018	2019	2020	Total
<b>Revenue Sources</b>	<b>Fund</b>							
SOA Grnt Rev-Direct	431900 - Anchorage Fire SA CIP Grant	2,000	-	-	-	-	-	2,000
<b>Total (in thousands)</b>		<b>2,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,000</b>

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