
FIRE PROTECTION FACILITIES 2022-2026 CAPITAL IMPROVEMENT PLAN

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2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: FS 82 Remediation and Tanks Replacement 11250 BRAESRIDGE AND W. BELLFORT		Project No.		C-000003	
Project Description					
The fuel tanks at this site have exceeded their useful life and are currently failing. Remediation and replacement of fuel tanks is required to mitigate the risk of fuel leakage and to meet TCEQ requirements prior to the site reaching the 30-year life expectancy. This fuel tank was installed in 1994.		City Council District			
		Location	K	Address Descr 2:	
		Served:	K	Zip Codes:	77071
		Key Map:		Category:	
		Location Code:	FD-545	Sub-Category:	
Project Justification					
The replacement of fuel sites will help the City avoid unforeseen costs resulting from leaks and equipment failure.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design								
Construction		307				307	307	
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		307				307	307	
Source of Funds								
4500 - Fire Consolidated Construction Fund		307				307	307	
Total Funds		307				307	307	

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 40 Replacement 5830 OLD SPANISH TRAIL		Project No.		C-000181	
Project Description					
Construction of a new 3-bay fire station will relieve over-extended resources by increasing the potential to add additional resources for the growing population and high emergency call volume and increase living area and equipment storage – thereby providing a safer and healthier living environment for firefighters.		City Council District			
		Location	I	Address Descr 2:	
		Served:	I	Zip Codes:	77021
		Key Map:		Category:	
		Location Code: FD-540		Sub-Category:	
Project Justification					
Fire Station #40 is amongst the busiest stations in the City of Houston's southeast side. It serves the Lawndale community which is continuously growing in population and emergency service call volume. The fire station currently has 2 bays with limited resources and living capacity to meet the needs of the community.		Units:	0		
		Start Year:	2016		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land	115			929			929	1,044
Design					1,409	11,304	12,713	12,713
Construction								0
Equipment Acquisition								
Salary Recovery								0
Other					24	24	48	48
Total Allocation	115			929	1,433	11,328	13,690	13,805
Source of Funds								
Future Bond Election				929	1,433	11,328	13,690	13,690
Total Funds	115			929	1,433	11,328	13,690	13,805

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Environmental Remediation VARIOUS LOCATIONS	Project No.	C-000185		
Project Description				
Provide environmental related services to support departmental missions and objectives. Services include abatement/remediation of asbestos, lead, indoor air, contaminated soil and groundwater, underground storage tank removal and replacement, and demolitions.	City Council District			
	Location	VARIOUS	Address Descr 2:	
	Served:	VARIOUS	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
Department is required to comply with environmental permits in order to continue to operate and maintain mission objectives.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design	250							250
Construction	702	200	200	200	200	200	1,000	1,702
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	952	200	200	200	200	200	1,000	1,952
Source of Funds								
4500 - Fire Consolidated Construction Fund	952	200	200				400	1,352
Future Bond Election				200	200	200	600	600
Total Funds	952	200	200	200	200	200	1,000	1,952

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 31 Renovation 222 CROSSTIMBERS ST.		Project No.		C-000195	
Project Description					
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.		City Council District			
		Location	H	Address Descr 2:	
		Served:	H	Zip Codes:	77018
		Key Map:		Category:	
		Location Code:	FD-531	Sub-Category:	
Project Justification					
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention - pertaining to life-safety, code compliance or environmental issues.		Units:	0		
		Start Year:	2021		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design	427						427	
Construction	238	5,087				5,087	5,325	
Equipment Acquisition								
Salary Recovery								
Other		89				89	89	
Total Allocation	665	5,176				5,176	5,841	
Source of Funds								
4500 - Fire Consolidated Construction Fund	665	5,176				5,176	5,841	
Total Funds	665	5,176				5,176	5,841	

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 16 Renovation 1700 RICHMOND AVE.	Project No.	C-000196		
Project Description				
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	C	Address Descr 2:	
	Served:	C	Zip Codes:	77098
	Key Map:		Category:	
	Location Code:	FD-516	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention - pertaining to life safety, code compliance or environmental issues.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design	319						319	
Construction		3,871				3,871	3,871	
Equipment Acquisition								
Salary Recovery								
Other		68				68	68	
Total Allocation	319	3,939				3,939	4,258	
Source of Funds								
4500 - Fire Consolidated Construction Fund	319	3,939				3,939	4,258	
Total Funds	319	3,939				3,939	4,258	

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 64 Renovation 3000 GREENS RD	Project No.		C-000200	
Project Description				
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	B	Address Descr 2:	
	Served:	B	Zip Codes:	77032
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention - pertaining to life safety, code compliance or environmental issues.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations	2022-2026					2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design					357	4,427	4,784	4,784
Construction	200							200
Equipment Acquisition								
Salary Recovery								
Other					6	6	12	12
Total Allocation	200				363	4,433	4,796	4,996
Source of Funds								
4500 - Fire Consolidated Construction Fund	200							200
Future Bond Election					363	4,433	4,796	4,796
Total Funds	200				363	4,433	4,796	4,996

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 19 Renovation 1811 GREGG ST.	Project No.	C-000203		
Project Description				
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	B	Address Descr 2:	
	Served:	B	Zip Codes:	77020
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention - pertaining to life-safety, code compliance or environmental issues.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design	303						303	
Construction	1,505	2,252				2,252	3,757	
Equipment Acquisition								
Salary Recovery								
Other		33				33	33	
Total Allocation	1,808	2,285				2,285	4,093	
Source of Funds								
4500 - Fire Consolidated Construction Fund	1,808	2,285				2,285	4,093	
Total Funds	1,808	2,285				2,285	4,093	

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 17 Renovation 2805 NAVIGATION BLVD.	Project No.		C-000211	
Project Description				
Interior will be demolished and re-designed for better use of space. Walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	H	Address Descr 2:	
	Served:	H	Zip Codes:	77003
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including all Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention - pertaining to life-safety, code compliance or environmental issues.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design	15						15	
Construction	1,841	2,314				2,314	4,155	
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	1,857	2,314				2,314	4,171	
Source of Funds								
4500 - Fire Consolidated Construction Fund	1,857	2,314				2,314	4,171	
Total Funds	1,857	2,314				2,314	4,171	

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: HVAC Replacements VARIOUS LOCATIONS		Project No.		C-000217		
Project Description						
Start an annual HVAC program to replace, renovate, or repair HVAC systems.		City Council District				
		Location	VARIOUS	Address Descr 2:		
		Served:	VARIOUS	Zip Codes:		
		Key Map:		Category:		
		Location Code:	FD-691	Sub-Category:		
Project Justification						
Many HVAC systems throughout HFD have operated beyond their expected life and can no longer maintain a safe, comfortable working environment.		Units:	0			
		Start Year:	2021			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design	273							273
Construction	1,377							1,377
Equipment Acquisition		550	550	550	550	550	2,750	2,750
Salary Recovery								
Other								
Total Allocation	1,650	550	550	550	550	550	2,750	4,400
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	1,650	550	550	550	550	550	2,750	4,400
Total Funds	1,650	550	550	550	550	550	2,750	4,400

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Facilities Roof Replacements VARIOUS LOCATIONS		Project No.		C-000220		
Project Description						
Start an annual roofing program to replace, renovate, or repair HFD roofs.		City Council District				
		Location	VARIOUS	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
		Location Code:	FD-691	Sub-Category:		
Project Justification						
Many of the roofing systems are beyond the expected life cycle or have been damaged.		Units:	0			
		Start Year:	2021			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design	462							462
Construction	2,538	1,118	1,000	1,000	1,000	1,000	5,118	7,656
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	3,000	1,118	1,000	1,000	1,000	1,000	5,118	8,118
Source of Funds								
4039 - Misc Cap. Projects/Acquisitions CP Ser E	1,000	118					118	1,118
4500 - Fire Consolidated Construction Fund	2,000	1,000	1,000	1,000			3,000	5,000
Future Bond Election					1,000	1,000	2,000	2,000
Total Funds	3,000	1,118	1,000	1,000	1,000	1,000	5,118	8,118

This project is related to the impact of Hurricane Harvey DR4332 and it is the City's intent to seek reimbursement from the Federal Emergency Management Agency (FEMA) and any other eligible sources for such expenditures, with the FEMA share being 90% of eligible costs.

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 80 Renovation 16111 CHIMNEY ROCK	Project No.	C-000222		
Project Description				
Interior will be demolished and re-designed for better use of space. All new walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.	City Council District			
	Location	K	Address Descr 2:	
	Served:	K	Zip Codes:	77489
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
The City of Houston initiated a facility condition assessment of all City owned buildings, including the Fire Department facilities. The results of the assessment identified numerous deficiencies that require immediate attention that pertained to life safety, code compliance or environmental issues.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design					288	2,700	2,988	2,988
Construction								0
Equipment Acquisition								
Salary Recovery								
Other					5		5	5
Total Allocation					293	2,700	2,993	2,993
Source of Funds								
Future Bond Election					293	2,700	2,993	2,993
Total Funds					293	2,700	2,993	2,993

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Fire Station 102 Renovation & Addition 4102 W LAKE HOUSTON PKWY		Project No.		C-000234	
Project Description					
Interior will be demolished and re-designed for better use of space. All new walls, electrical, plumbing, mechanical, flooring, ceilings, millwork, appliances, furniture, carbon monoxide exhaust system, overhead doors with operators, security systems, IT/radio communication system will be replaced.		City Council District			
		Location	E	Address Descr 2:	
		Served:	E	Zip Codes:	77345
		Key Map:		Category:	
		Location Code:	FD-691	Sub-Category:	
Project Justification					
The City of Houston initiated a facility condition assessment of all city owned buildings, including the Fire department facilities. The results of the assessment identified numerous deficiencies that require immediate attention that pertained to life- safety, code compliance or environmental issues.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design						545	545	545
Construction								
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation						545	545	545
Source of Funds								
Future Bond Election						545	545	545
Total Funds						545	545	545

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Salary Recovery VARIOUS LOCATIONS	Project No.	C-000SAL		
Project Description				
Salary recovery for major, minor, and environmental projects.	City Council District			
	Location	VARIOUS	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
General Services Department will perform work for client departments as necessary for facilities.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery	1,413	941	941	941	941	941	4,707	6,120
Other								0
Total Allocation	1,413	941	941	941	941	941	4,707	6,120
Source of Funds								
4500 - Fire Consolidated Construction Fund	1,413	941	941	941			2,824	4,237
Future Bond Election					941	941	1,883	1,883
Total Funds	1,413	941	941	941	941	941	4,707	6,120

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Bunker Gear 1205 DART ST.	Project No.		C-EQ0001	
Project Description				
There are approximately 3600 sets of bunker gear assigned in the field. HFD replaces approximately 10% of the bunker gear per year because of mandatory retirement due to age. Additional gear is retired prematurely due to excessive wear or damage. Approximately 300 sets are issued to firefighter trainees each year.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	77002
	Key Map:		Category:	
	Location Code:	FD-691	Sub-Category:	
Project Justification				
Per National Fire Protection Association (NFPA), bunker gear has a lifespan of 10 years. The fabric used in bunker gear wears down from heat, smoke and other fire hazards. Gear can also be prematurely retired due to damage or excessive wear. There are approx. 3600 suits assigned in the field and 800-1000 suits are replaced annually.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations	2022-2026					2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition	4,800	1,600	1,648	1,697	1,748	1,801	8,494	13,294
Salary Recovery								
Other								
Total Allocation	4,800	1,600	1,648	1,697	1,748	1,801	8,494	13,294
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	4,800	1,600	1,648	1,697	1,748	1,801	8,494	13,294
Total Funds	4,800	1,600	1,648	1,697	1,748	1,801	8,494	13,294

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: Emergency Life Safety Equipment 1205 DART ST.		Project No.		C-EQ0003	
Project Description					
These funds will allow Houston firefighters to receive the equipment they need to work when they are out in the field and stations. Without funding for this, firefighters cannot successfully carry out their job duties to fight fires and save lives.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	77002
		Key Map:		Category:	
		Location Code:	FD-691	Sub-Category:	
Project Justification					
Equipment needed is specifically to provide firefighters with the proper assistance needed to deliver emergency services daily. Items such as hydraulic stretchers which are critical for fire paramedics, require a 10% replacement per year. Breathing cylinders have a 10-year life span with mandatory retirement parameters.		Units:	0		
		Start Year:	2021		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition	4,011	1,300	1,339	1,379	1,421	1,463	6,902	10,913
Salary Recovery								
Other								
Total Allocation	4,011	1,300	1,339	1,379	1,421	1,463	6,902	10,913
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	4,011	1,300	1,339	1,379	1,421	1,463	6,902	10,913
Total Funds	4,011	1,300	1,339	1,379	1,421	1,463	6,902	10,913

2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - FIRE PROTECTION FACILITIES

Project: HFD HARVEY Restoration Projects		Project No.		C-HARVEY	
Project Description					
Acquire property within the current service area that is outside of the flood plain to design and construct a new 4-bay replacement station.		City Council District			
		Location	E	Address Descr 2:	
		Served:	E	Zip Codes:	
		Key Map:		Category:	
		Location Code:	FD-526	Sub-Category:	
Project Justification					
The existing 2-bay Fire Station #104 was severely flooded and damaged during Hurricane Harvey. The station is currently located near the San Jacinto River and within the 100-year flood plain. This station is also too small for the current area service needs and does not meet current HFD standards for apparatus or living conditions.		Units:	0		
		Start Year:	2021		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations	2022-2026					2022-2026	Project Total
		2022	2023	2024	2025	2026		
Planning								
Acquisition-Land		1,339					1,339	1,339
Design		1,288					1,288	1,288
Construction	364		10,494				10,494	10,858
Equipment Acquisition								
Salary Recovery	0							0
Other		23	184				207	207
Total Allocation	364	2,650	10,678				13,328	13,692
Source of Funds								
4039 - Misc Cap. Projects/Acquisitions CP Ser E	364	2,650	10,678				13,328	13,692
Total Funds	364	2,650	10,678				13,328	13,692

This project is related to the impact of Hurricane Harvey DR4332 and it is the City's intent to seek reimbursement from the Federal Emergency Management Agency (FEMA) and any other eligible sources for such expenditures, with the FEMA share being 90% of eligible costs.