
WATER UTILITY SYSTEM FACILITIES 2023-2027 CAPITAL IMPROVEMENT PLAN

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2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Emergency Needs for Water Utility	Project No.	S-000019		
Project Description				
This program provides for unforeseen emergency needs for engineering services, construction, and equipment for facility and water line failure of Public Utility.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
This program is needed to provide public health and safety, and to ensure regulatory compliance.	Units:	0		
	Start Year:	2022		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other	552	550	550	550	550	2,752
Total Allocation	552	550	550	550	550	2,752
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	552	550	550	550	550	2,752
Total Funds	552	550	550	550	550	2,752

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.

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Miscellaneous Water Needs	Project No.	S-000020		
Project Description				
This program provides for miscellaneous needs for acquisition, engineering services, construction, and legal services required in conjunction with various capital projects and activities of the Combined Utility Service.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
This program is needed to provide contracted support services for various capital projects and activities of the Combined Utility Service.	Units:	0		
	Start Year:	2022		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design	121			150	150	421
Construction	142	194	293	44	99	773
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	264	194	293	194	249	1,195
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	264	194	293	194	249	1,195
Total Funds	264	194	293	194	249	1,195

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Neighborhood Water Main Replacement	Project No.	S-000035	
Project Description			
This program provides for the design and construction of replacement distribution mains and upgrades small mains which do not meet standards.	City Council District		
	Location	CITYWIDE	Address Descr 2:
	Served:	CITYWIDE	Zip Codes:
	Key Map:		Category:
	Location Code:	UA-00	Sub-Category:
Project Justification			
This program is required to improve customer service, water quality and capacity, fire protection, system reliability, and assures compliance with TCEQ rules and other governmental regulations.	Units:	0	
	Start Year:	2022	
	RCC Total	\$	RCA Total \$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design	12,132	4,500	4,500	4,500	4,500	30,132
Construction	33,832	30,000	34,000	25,000	34,000	156,832
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	45,964	34,500	38,500	29,500	38,500	186,964
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	45,964	34,500	38,500	29,500	38,500	186,964
Total Funds	45,964	34,500	38,500	29,500	38,500	186,964

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: East Water Purification Plant	Project No.		S-000056	
Project Description				
This project upgrades and optimizes the East Water Plant, and increases the capacity and reliability to meet immediate and future needs of the City and its customers.	City Council District			
	Location	E	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:	496U,Y	Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris Galveston Subsidence District requirements.	Units:	0		
	Start Year:	2022		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design	40,000					40,000
Construction		108,500	100,000	100,000	100,000	408,500
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	40,000	108,500	100,000	100,000	100,000	448,500
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	40,000	108,500	100,000	100,000	100,000	448,500
Total Funds	40,000	108,500	100,000	100,000	100,000	448,500

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.

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: New / Replacement Ground Water Wells VARIOUS LOCATIONS	Project No.	S-000100		
Project Description				
This program provides assessment, evaluation, and installation of ground water wells to increase or maintain water production capacity.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
This program is necessary in order to provide reliability of the water system.	Units:	0		
	Start Year:	2022		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design	1,200	1,250		1,250	1,250	4,950
Construction	3,875	7,750	7,750			19,375
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	5,075	9,000	7,750	1,250	1,250	24,325
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	5,075	9,000	7,750	1,250	1,250	24,325
Total Funds	5,075	9,000	7,750	1,250	1,250	24,325

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Real Estate Annual Appropriation	Project No.	S-00019A		
Project Description				
Real Estate Annual Appropriation.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
Real Estate Annual Appropriation.	Units:	0		
	Start Year:	2022		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land	552	550	550	550	550	2,752
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	552	550	550	550	550	2,752
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	552	550	550	550	550	2,752
Total Funds	552	550	550	550	550	2,752

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Water Well Renewal Program	Project No.		S-000200	
Project Description				
This program provides assessment, evaluation, and rehabilitation of existing water wells to extend service life, improve water quality, and reduce maintenance costs.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
This program is necessary in order to improve the performance of wells, reliability, and demand of the system.	Units:	0		
	Start Year:	2022		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design		700	700	700	700	2,800
Construction	2,864	4,300	8,215	4,300	4,300	23,979
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	2,864	5,000	8,915	5,000	5,000	26,779
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	2,864	5,000	8,915	5,000	5,000	26,779
Total Funds	2,864	5,000	8,915	5,000	5,000	26,779

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.

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Water Improvements under M/N	Project No.	S-000500		
Project Description				
Water Improvements completed under Street and Bridge or Stormwater Projects.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
Water projects completed in conjunction with Street and Bridge or Stormwater Projects are less expensive and less disruption to the community.	Units:	0		
	Start Year:	2022		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction	20,926	20,414	24,017	2,666		68,022
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	20,926	20,414	24,017	2,666		68,022
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	20,926	20,414	24,017	2,666		68,022
Total Funds	20,926	20,414	24,017	2,666		68,022

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Water Main Replacement by Other Govt		Project No.		S-000521	
Project Description					
This program provides funding for the design and construction of water distribution mains replacement in coordination with projects by other governmental agencies.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
This program is to coordinate projects with other governmental agencies to avoid conflict, minimize disturbance to the neighborhood, and reduce cost.		Units:	0		
		Start Year:	2022		
		RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other	2,440	1,400	1,400	1,400	1,400	8,040
Total Allocation	2,440	1,400	1,400	1,400	1,400	8,040
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	2,440	1,400	1,400	1,400	1,400	8,040
Total Funds	2,440	1,400	1,400	1,400	1,400	8,040

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Water Storage Tank Rehabilitation	Project No.	S-000600	
Project Description			
This program provides for the cleaning, inspection, rehabilitation and preventive maintenance of existing water storage tanks.	City Council District		
	Location	CITYWIDE	Address Descr 2:
	Served:	CITYWIDE	Zip Codes:
	Key Map:		Category:
	Location Code:	UA-00	Sub-Category:
Project Justification			
This program is necessary to meet the supply demand capacity, water storage capacity requirements of the TCEQ and the Annual State Inspection.	Units:	0	
	Start Year:	2022	
	RCC Total	\$	RCA Total \$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design		2,000	2,000	2,000	2,000	8,000
Construction	5,410	11,520	6,000	6,000	6,000	34,930
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	5,410	13,520	8,000	8,000	8,000	42,930
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	5,410	13,520	8,000	8,000	8,000	42,930
Total Funds	5,410	13,520	8,000	8,000	8,000	42,930

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.

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Water Main Grid Extensions Program	Project No.	S-000700		
Project Description				
This program provides for the design and construction of water main extension projects to improve circulation and fire protection.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
This program is required for the City to provide quality water service, fire protection, and improve system reliability.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design	8,604		1,500		3,000	13,104
Construction	8,879		6,000	30,000	3,000	47,879
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	17,483		7,500	30,000	6,000	60,983
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	17,483		7,500	30,000	6,000	60,983
Total Funds	17,483		7,500	30,000	6,000	60,983

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Lg Diameter Water Line Rehab		Project No.		S-000701	
Project Description					
This program provides for the repairs and replacements of large diameter waterlines and valves in the distribution and transmission system.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
This program is to ensure that large diameter water lines be repaired or replaced to minimize the impacts of major water main shut downs. This would increase the quality of service and customer satisfaction.		Units:	0		
		Start Year:	2022		
		RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design	2,119	4,000	1,000	1,000	7,000	15,119
Construction	19,292	12,540	6,000	18,000		55,832
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	21,411	16,540	7,000	19,000	7,000	70,951
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	21,411	16,540	7,000	19,000	7,000	70,951
Total Funds	21,411	16,540	7,000	19,000	7,000	70,951

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Valve Replacement & Installation Program		Project No.		S-000702		
Project Description						
This program provides for the inspection and replacement of missing or broken valves on water lines.		City Council District				
		Location	CITYWIDE	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
		Location Code:	UA-00	Sub-Category:		
Project Justification						
The water distribution and transmission system will not function properly without the valves.		Units:	0			
		Start Year:	2022			
		RCC Total	\$	RCA Total	\$	

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction	4,416		4,500		4,500	13,416
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	4,416		4,500		4,500	13,416
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	4,416		4,500		4,500	13,416
Total Funds	4,416		4,500		4,500	13,416

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Sponsor Participation-Water Mains Prog.		Project No.		S-000800	
Project Description					
This program provides for the funding of the City's share in construction of developer built public water mains within the City limits and for the cost difference to oversize projects for future demands.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
This program is necessary for the City to promote In-City development and to meet future demands.		Units:	0		
		Start Year:	2022		
		RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other	2,208	2,000	2,000	2,000	2,000	10,208
Total Allocation	2,208	2,000	2,000	2,000	2,000	10,208
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	2,208	2,000	2,000	2,000	2,000	10,208
Total Funds	2,208	2,000	2,000	2,000	2,000	10,208

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Lake Houston Dam Projects		Project No.		S-000890	
Project Description					
Repairs to Lake Houston Dam or other infrastructure associated with Lake Houston Water Supply. Coastal Water Authority is the facility operator.		City Council District			
		Location	E	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Lake Houston and associated infrastructure are part of the City's long term plan for water supply.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other		42,796				42,796
Total Allocation		42,796				42,796
Source of Funds						
4042 - DDSRF CAPITAL FUND-DRAINAGE CHARGE		10,699				10,699
5430 - Federal State Local - HPW Pass thru DDSR		32,097				32,097
Total Funds		42,796				42,796

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 75% of eligible costs.

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: San Jacinto River Authority	Project No.		S-000894	
Project Description				
Partnership projects between the City and the San Jacinto River Authority.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
Partnership projects between the City and the San Jacinto River Authority.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction	841	800				1,641
Equipment Acquisition						
Salary Recovery						
Other			800			800
Total Allocation	841	800	800			2,441
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	841	800	800			2,441
Total Funds	841	800	800			2,441

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Trinity River Authority	Project No.		S-000895	
Project Description				
Partnership projects between the City and the Trinity River Authority.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
Partnership projects between the City and the Trinity River Authority.	Units:	0		
	Start Year:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction	10,000					10,000
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	10,000					10,000
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	10,000					10,000
Total Funds	10,000					10,000

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Surface Water Transmission Program		Project No.		S-000900	
Project Description					
Project program provides for the design and construction of transmission and distribution lines to convey treated water from surface water facilities.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
This program is required to comply with the Harris-Galveston Subsidence District requirement and to implement City's regionalization plan. This program is part of the City's long range water supply plan.		Units:	0		
		Start Year:	2022		
		RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land	27,514	3,857				31,371
Design	10,004					10,004
Construction	54,556	238,083	32,190			324,829
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	92,074	241,940	32,190			366,204
Source of Funds						
8319 - HPW-W & S Contributed CAP						
8500 - HPW-W&S Syst Consolidated Constr Fd	70,225	168,791	8,281			247,297
8509 - HPW-SETL Capital Contribution	16,450	60,359	20,992			97,801
8510 - HPW-SETL Construction Fund	5,399	12,790	2,917			21,106
Total Funds	92,074	241,940	32,190			366,204

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Condition Assessment and Rehabilitation	Project No.		S-000901	
Project Description				
This program provides for inspection, rehabilitation, and replacement of large diameter water lines.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
This program is necessary to provide preventive maintenance for large diameter water lines to ensure the demand capacity of water distribution and transmission system.	Units:	0		
	Start Year:	2022		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design		500	500	500	500	2,000
Construction	3,547	10,550	5,000	5,000	5,000	29,097
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	3,547	11,050	5,500	5,500	5,500	31,097
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	3,547	11,050	5,500	5,500	5,500	31,097
Total Funds	3,547	11,050	5,500	5,500	5,500	31,097

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Automatic Meter Reading Program		Project No.		S-000956	
Project Description					
This program provides for the purchase and installation of radio frequency automated meter reading devices and Mobile Data Command System to read meters.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The program reduces manpower and allow monitoring water consumption on demand to reduce unaccounted water.		Units:	0		
		Start Year:	2022		
		RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition				16,055		16,055
Salary Recovery						
Other						
Total Allocation				16,055		16,055
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd				16,055		16,055
Total Funds				16,055		16,055

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Meter Replacement & Upgrade Program		Project No.		S-000958	
Project Description					
This program provides removal, replacement, and upgrade of water meters to get accurate readings.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Replacement of the meters has been determined to be more cost effective than retrofitting the old meters and would increase annual revenues.		Units:	0		
		Start Year:	2022		
		RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition	5,498	5,500	5,500	5,500	5,500	27,498
Salary Recovery						
Other						
Total Allocation	5,498	5,500	5,500	5,500	5,500	27,498
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	5,498	5,500	5,500	5,500	5,500	27,498
Total Funds	5,498	5,500	5,500	5,500	5,500	27,498

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Pump Station Program	Project No.	S-001000	
Project Description			
This program provides for the renewal of pump stations. Improvements include renovations, individual pump installation, replacement of electrical switchgear, generators, valves, meters, motors, pumps, lead abatement, site demolition, and roadway.	City Council District		
	Location	CITYWIDE	Address Descr 2:
	Served:	CITYWIDE	Zip Codes:
	Key Map:		Category:
	Location Code:	UA-00	Sub-Category:
Project Justification			
This program is necessary to meet the water system capacity requirements by the TCEQ and Annual State inspection.	Units:	0	
	Start Year:	2022	
	RCC Total	\$	RCA Total \$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design	54					54
Construction	35,862	25,615	7,590			69,067
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	35,916	25,615	7,590			69,121
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	35,916	25,615	7,590			69,121
Total Funds	35,916	25,615	7,590			69,121

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.

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Water Substitute Service Program	Project No.		S-002015	
Project Description				
The program consists of design and construction associated with removing water main lines from the rear of lots, and installing a new main line and service line in the front of the right of way at the City's expense.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
The program is required to provide better service to customers with minimal disruption and lower maintenance costs.	Units:	0		
	Start Year:	2019		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction	276	300	300	300	300	1,476
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	276	300	300	300	300	1,476
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	276	300	300	300	300	1,476
Total Funds	276	300	300	300	300	1,476

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Upgrades to CUS-Owned Support Facilities VARIOUS LOCATIONS	Project No.	S-900001		
Project Description				
Upgrades to Mechanical, Electrical and Plumbing Systems at 611 Walker, 2805 McKinney, and other support facilities.	City Council District			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:	493L	Category:	
	Location Code:	UA-00	Sub-Category:	
Project Justification				
Address life/safety and functional requirements for CUS-owned office/support facilities.	Units:	0		
	Start Year:	2022		
	RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction	6,493	1,000	1,000	1,000	1,000	10,493
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	6,493	1,000	1,000	1,000	1,000	10,493
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	6,493	1,000	1,000	1,000	1,000	10,493
Total Funds	6,493	1,000	1,000	1,000	1,000	10,493

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.

2023-2027 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Funding Offset		Project No.		S-NA0000	
Project Description					
A negative amount is shown here to exclude the Lake Houston Dam Project (S-000890) from the Combined Utility System Capital Improvement Program by offsetting the total of Fund 4042 and Fund 5430 associated with the project. A negative offset eliminates double counting across the sections of the CIP.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
This section includes Fund 4042 and Fund 5430 for improvements to the Lake Houston Dam. These costs are not funded by the Combined Utility System (CUS), but are shown in the Water (S) section to ensure they are associated with the CUS capital plan. The same project is also reported in the Storm Drainage System section (M-450500).		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation						2023-2027
	2023	2024	2025	2026	2027	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other		-42,796				-42,796
Total Allocation		-42,796				-42,796
Source of Funds						
4042 - DDSRF CAPITAL FUND-DRAINAGE CHARGE		-10,699				-10,699
5430 - Federal State Local - HPW Pass thru DDSR		-32,097				-32,097
Total Funds		-42,796				-42,796