
WATER UTILITY SYSTEM FACILITIES 2021-2025 CAPITAL IMPROVEMENT PLAN

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2021-2025 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:	2020	
	RCC Total	\$	RCA Total

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other	531	541	552	550	550	2,724
Total Allocation	531	541	552	550	550	2,724
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	531	541	552	550	550	2,724
Total Funds	531	541	552	550	550	2,724

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 up to 90% of eligible costs.

2021-2025 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 unforeseen miscellaneous needs for acquisition, engineering services, construction, and legal services required in conjunction with various projects and activities 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 for unforeseen costs.	Units:	0		
	Start Year:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design	117	54	166			336
Construction	2,733	130	188	300	300	3,650
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	2,850	184	353	300	300	3,987
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	2,850	184	353	300	300	3,987
Total Funds	2,850	184	353	300	300	3,987

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 up to 90% of eligible costs.

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design	5,000	4,500	4,500	4,500	4,500	23,000
Construction	8,488	25,000	38,832	25,000	34,000	131,320
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	13,488	29,500	43,332	29,500	38,500	154,320
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	13,488	29,500	43,332	29,500	38,500	154,320
Total Funds	13,488	29,500	43,332	29,500	38,500	154,320

2021-2025 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.																										
<table border="1"> <tr> <td colspan="2">City Council District</td> </tr> <tr> <td>Location</td> <td>E</td> <td>Address Descr 2:</td> <td colspan="2"></td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td>Zip Codes:</td> <td colspan="2"></td> </tr> <tr> <td>Key Map:</td> <td>496U,Y</td> <td>Category:</td> <td colspan="2"></td> </tr> <tr> <td>Location Code:</td> <td>UA-00</td> <td>Sub-Category:</td> <td colspan="2"></td> </tr> </table>					City Council District		Location	E	Address Descr 2:			Served:	CITYWIDE	Zip Codes:			Key Map:	496U,Y	Category:			Location Code:	UA-00	Sub-Category:		
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:	2020																									
RCC Total	\$	RCA Total	\$																							

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction	28,750	5,520		100,000	100,000	234,270
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	28,750	5,520		100,000	100,000	234,270
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	28,750	5,520		100,000	100,000	234,270
Total Funds	28,750	5,520		100,000	100,000	234,270

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 up to 90% of eligible costs.

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: NE Water Purification Plant Expansion	Project No.		S-000065	
Project Description				
Expansion of Northeast Water Purification Plant.	City Council District			
	Location	E	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:	377W	Category:	
Location Code:	UA-00	Sub-Category:		
Project Justification				
Expansion of Northeast Water Purification Plant to meet surface water requirements and provide water to regional Water Authorities.	Units:	0		
	Start Year:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction	150,876	401,136				552,011
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	150,876	401,136				552,011
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	2,594	81,366				83,960
8505 - Water Authorities Capital Contrib-NEWPP	148,282	319,770				468,051
Total Funds	150,876	401,136				552,011

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design	411	974		1,250	1,250	3,885
Construction	42	5,410	12,034	7,750	7,750	32,986
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	453	6,384	12,034	9,000	9,000	36,871
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	453	6,384	12,034	9,000	9,000	36,871
Total Funds	453	6,384	12,034	9,000	9,000	36,871

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land	531	541	552	550	550	2,724
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	531	541	552	550	550	2,724
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	531	541	552	550	550	2,724
Total Funds	531	541	552	550	550	2,724

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design		703		700	700	2,103
Construction	3,915	4,328	3,864	4,300	4,300	20,707
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	3,915	5,031	3,864	5,000	5,000	22,810
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	3,915	5,031	3,864	5,000	5,000	22,810
Total Funds	3,915	5,031	3,864	5,000	5,000	22,810

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 up to 90% of eligible costs.

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction	3,145	21,993	14,590	12,395	14,246	66,368
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	3,145	21,993	14,590	12,395	14,246	66,368
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	3,145	21,993	14,590	12,395	14,246	66,368
Total Funds	3,145	21,993	14,590	12,395	14,246	66,368

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other	1,400	1,400	1,400	1,400	1,400	7,000
Total Allocation	1,400	1,400	1,400	1,400	1,400	7,000
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	1,400	1,400	1,400	1,400	1,400	7,000
Total Funds	1,400	1,400	1,400	1,400	1,400	7,000

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design	2,122			2,000	2,000	6,122
Construction	5,305	5,410	5,520	6,000	6,000	28,235
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	7,427	5,410	5,520	8,000	8,000	34,357
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	7,427	5,410	5,520	8,000	8,000	34,357
Total Funds	7,427	5,410	5,520	8,000	8,000	34,357

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 up to 90% of eligible costs.

2021-2025 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						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design	1,061		1,104			2,165
Construction	2,122		2,208			4,330
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	3,183		3,312			6,495
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	3,183		3,312			6,495
Total Funds	3,183		3,312			6,495

2021-2025 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.																													
<table border="1"> <tr> <td colspan="2">City Council District</td> <td colspan="3"></td> </tr> <tr> <td>Location</td> <td>CITYWIDE</td> <td colspan="3">Address Descr 2:</td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td colspan="3">Zip Codes:</td> </tr> <tr> <td>Key Map:</td> <td></td> <td colspan="3">Category:</td> </tr> <tr> <td>Location Code:</td> <td>UA-00</td> <td colspan="3">Sub-Category:</td> </tr> </table>					City Council District					Location	CITYWIDE	Address Descr 2:			Served:	CITYWIDE	Zip Codes:			Key Map:		Category:			Location Code:	UA-00	Sub-Category:		
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:	2020																												
RCC Total	\$	RCA Total	\$																										

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design	1,406	325		1,000	1,000	3,730
Construction	9,721	6,540		6,000	6,000	28,261
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	11,127	6,864		7,000	7,000	31,991
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	11,127	6,864		7,000	7,000	31,991
Total Funds	11,127	6,864		7,000	7,000	31,991

2021-2025 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.																	
<table border="1"> <tr> <td colspan="2">City Council District</td> </tr> <tr> <td>Location</td> <td>CITYWIDE</td> <td>Address Descr 2:</td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td>Zip Codes:</td> </tr> <tr> <td>Key Map:</td> <td colspan="2">Category:</td> </tr> <tr> <td>Location Code:</td> <td>UA-00</td> <td>Sub-Category:</td> </tr> </table>				City Council District		Location	CITYWIDE	Address Descr 2:	Served:	CITYWIDE	Zip Codes:	Key Map:	Category:		Location Code:	UA-00	Sub-Category:
City Council District																	
Location	CITYWIDE	Address Descr 2:															
Served:	CITYWIDE	Zip Codes:															
Key Map:	Category:																
Location Code:	UA-00	Sub-Category:															
Project Justification																	
<table border="1"> <tr> <td>The water distribution and transmission system will not function properly without the valves.</td> <td>Units:</td> <td>0</td> <td></td> </tr> <tr> <td></td> <td>Start Year:</td> <td>2020</td> <td></td> </tr> <tr> <td></td> <td>RCC Total</td> <td>\$</td> <td>RCA Total</td> <td>\$</td> </tr> </table>				The water distribution and transmission system will not function properly without the valves.	Units:	0			Start Year:	2020			RCC Total	\$	RCA Total	\$	
The water distribution and transmission system will not function properly without the valves.	Units:	0															
	Start Year:	2020															
	RCC Total	\$	RCA Total	\$													

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction	4,244		4,416			8,660
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	4,244		4,416			8,660
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	4,244		4,416			8,660
Total Funds	4,244		4,416			8,660

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 up to 90% of eligible costs.

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other	2,122	2,164	2,208	2,000	2,000	10,494
Total Allocation	2,122	2,164	2,208	2,000	2,000	10,494
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	2,122	2,164	2,208	2,000	2,000	10,494
Total Funds	2,122	2,164	2,208	2,000	2,000	10,494

2021-2025 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:	SUPPLY
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:	2011		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction	42,796					42,796
Equipment Acquisition						
Salary Recovery						
Other						
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
8500 - HPW-W&S Syst Consolidated Constr Fd						
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 up to 90% of eligible costs.

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: San Jacinto River Authority	Project No.		S-000894	
Project Description				
Interlocal Agreement 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				
Interlocal Agreement between the City and the San Jacinto River Authority.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction	419	824	841	800		2,885
Equipment Acquisition						
Salary Recovery						
Other					800	800
Total Allocation	419	824	841	800	800	3,685
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	419	824	841	800	800	3,685
Total Funds	419	824	841	800	800	3,685

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 up to 90% of eligible costs.

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land	250	12,719	11,118			24,087
Design	7,920		4,776			12,696
Construction	169,790	110,194	100,549	43,660		424,194
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	177,961	122,913	116,443	43,660		460,976
Source of Funds						
8319 - HPW-W & S Contributed CAP						
8500 - HPW-W&S Syst Consolidated Constr Fd	109,798	122,913	32,605	43,660		308,975
8507 - Water Authorities Cap Contr Fund NETL	39,078					39,078
8508 - HPW-NETL Construction Fund	29,085					29,085
8509 - HPW-SETL Capital Contribution			71,749			71,749
8510 - HPW-SETL Construction Fund			12,089			12,089
Total Funds	177,961	122,913	116,443	43,660		460,976

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 up to 90% of eligible costs.

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design				500	500	1,000
Construction		3,547		5,000	5,000	13,547
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation		3,547		5,500	5,500	14,547
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd		3,547		5,500	5,500	14,547
Total Funds		3,547		5,500	5,500	14,547

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 up to 90% of eligible costs.

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition	5,284	5,388	5,498	5,500	5,500	27,170
Salary Recovery						
Other						
Total Allocation	5,284	5,388	5,498	5,500	5,500	27,170
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	5,284	5,388	5,498	5,500	5,500	27,170
Total Funds	5,284	5,388	5,498	5,500	5,500	27,170

2021-2025 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.																										
<table border="1"> <tr> <td colspan="2">City Council District</td> </tr> <tr> <td>Location</td> <td>CITYWIDE</td> <td>Address Descr 2:</td> <td colspan="2"></td> </tr> <tr> <td>Served:</td> <td>CITYWIDE</td> <td>Zip Codes:</td> <td colspan="2"></td> </tr> <tr> <td>Key Map:</td> <td></td> <td>Category:</td> <td colspan="2"></td> </tr> <tr> <td>Location Code:</td> <td>UA-00</td> <td>Sub-Category:</td> <td colspan="2"></td> </tr> </table>					City Council District		Location	CITYWIDE	Address Descr 2:			Served:	CITYWIDE	Zip Codes:			Key Map:		Category:			Location Code:	UA-00	Sub-Category:		
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:	2020																									
RCC Total	\$	RCA Total	\$																							

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design	679	54				733
Construction	17,294	31,995	8,000	8,000	8,000	73,289
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	17,973	32,049	8,000	8,000	8,000	74,022
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	17,973	32,049	8,000	8,000	8,000	74,022
Total Funds	17,973	32,049	8,000	8,000	8,000	74,022

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 up to 90% of eligible costs.

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)
CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES

Project: Water Substitute Service Program	Project No.	S-002015															
Project Description <p>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.</p>																	
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City Council District																	
Location	CITYWIDE	Address Descr 2:															
Served:	CITYWIDE	Zip Codes:															
Key Map:	Category:																
Location Code:	UA-00	Sub-Category:															
Project Justification <p>The program is required to provide better service to customers with minimal disruption and lower maintenance costs.</p>																	
<table border="1"> <tr> <td>Units:</td> <td>0</td> </tr> <tr> <td>Start Year:</td> <td>2019</td> </tr> <tr> <td>RCC Total</td> <td>\$</td> <td>RCA Total</td> <td>\$</td> </tr> </table>				Units:	0	Start Year:	2019	RCC Total	\$	RCA Total	\$						
Units:	0																
Start Year:	2019																
RCC Total	\$	RCA Total	\$														

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction	265	271	276	300	300	1,412
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	265	271	276	300	300	1,412
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	265	271	276	300	300	1,412
Total Funds	265	271	276	300	300	1,412

2021-2025 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:	2020		
	RCC Total	\$	RCA Total	\$

Project Allocation						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction	3,000	1,500	1,000	1,000	1,000	7,500
Equipment Acquisition						
Salary Recovery						
Other						
Total Allocation	3,000	1,500	1,000	1,000	1,000	7,500
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	3,000	1,500	1,000	1,000	1,000	7,500
Total Funds	3,000	1,500	1,000	1,000	1,000	7,500

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 up to 90% of eligible costs.

2021-2025 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-00890) 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						2021-2025
	2021	2022	2023	2024	2025	
Planning						
Acquisition-Land						
Design						
Construction	-42,796					-42,796
Equipment Acquisition						
Salary Recovery						
Other						
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



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