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## WATER UTILITY SYSTEM FACILITIES 2022-2026 CAPITAL IMPROVEMENT PLAN

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**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Emergency Needs for Water Utility	Project No.		S-000019	
<b>Project Description</b>				
This program provides for unforeseen emergency needs for engineering services, construction, and equipment for facility and water line failure of Public Utility.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
This program is needed to provide public health and safety, and to ensure regulatory compliance.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other	541	552	550	550	550	2,743
<b>Total Allocation</b>	<b>541</b>	<b>552</b>	<b>550</b>	<b>550</b>	<b>550</b>	<b>2,743</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	541	552	550	550	550	2,743
<b>Total Funds</b>	<b>541</b>	<b>552</b>	<b>550</b>	<b>550</b>	<b>550</b>	<b>2,743</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: Miscellaneous Water Needs	Project No.		S-000020	
<b>Project Description</b>				
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.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
This program is needed to provide contracted support services for various capital projects and activities of the Combined Utility Service.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design	11	121			150	282
Construction	87	187	238	337	88	937
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>97</b>	<b>308</b>	<b>238</b>	<b>337</b>	<b>238</b>	<b>1,219</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	97	308	238	337	238	1,219
<b>Total Funds</b>	<b>97</b>	<b>308</b>	<b>238</b>	<b>337</b>	<b>238</b>	<b>1,219</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: Neighborhood Water Main Replacement	Project No.	S-000035	
<b>Project Description</b>			
This program provides for the design and construction of replacement distribution mains and upgrades small mains which do not meet standards.	<b>City Council District</b>		
	Location	CITYWIDE	Address Descr 2:
	Served:	CITYWIDE	Zip Codes:
	Key Map:		Category:
	Location Code: UA-00		Sub-Category:
<b>Project Justification</b>			
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:	2021	
	RCC Total	\$	RCA Total \$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design	9,277	4,500	4,500	4,500	4,500	27,277
Construction		33,832	30,000	34,000	25,000	122,832
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>9,277</b>	<b>38,332</b>	<b>34,500</b>	<b>38,500</b>	<b>29,500</b>	<b>150,109</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	9,277	38,332	34,500	38,500	29,500	150,109
<b>Total Funds</b>	<b>9,277</b>	<b>38,332</b>	<b>34,500</b>	<b>38,500</b>	<b>29,500</b>	<b>150,109</b>

**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: East Water Purification Plant	Project No.		S-000056	
<b>Project Description</b>				
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.	<b>City Council District</b>			
	Location	E	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:	496U,Y	Category:	
	Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>				
This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District requirements.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction	29,008		100,000	100,000	100,000	329,008
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>29,008</b>		<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>329,008</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	29,008		100,000	100,000	100,000	329,008
<b>Total Funds</b>	<b>29,008</b>		<b>100,000</b>	<b>100,000</b>	<b>100,000</b>	<b>329,008</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: NE Water Purification Plant Expansion	Project No.		S-000065	
<b>Project Description</b>				
Expansion of Northeast Water Purification Plant.	<b>City Council District</b>			
	Location	E	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:	377W	Category:	
	Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>				
Expansion of Northeast Water Purification Plant to meet surface water requirements and provide water to regional Water Authorities.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction	401,136					401,136
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>401,136</b>					<b>401,136</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	81,366					81,366
8505 - Water Authorities Capital Contrib-NEWPP	319,770					319,770
<b>Total Funds</b>	<b>401,136</b>					<b>401,136</b>

**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: New / Replacement Ground Water Wells VARIOUS LOCATIONS	Project No.	S-000100		
<b>Project Description</b>				
This program provides assessment, evaluation, and installation of ground water wells to increase or maintain water production capacity.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
This program is necessary in order to provide reliability of the water system.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design	1,200		1,250		1,250	3,700
Construction		7,750	7,750	7,750		23,250
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>1,200</b>	<b>7,750</b>	<b>9,000</b>	<b>7,750</b>	<b>1,250</b>	<b>26,950</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	1,200	7,750	9,000	7,750	1,250	26,950
<b>Total Funds</b>	<b>1,200</b>	<b>7,750</b>	<b>9,000</b>	<b>7,750</b>	<b>1,250</b>	<b>26,950</b>

**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**
**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Real Estate Annual Appropriation	Project No.		S-00019A	
<b>Project Description</b>				
Real Estate Annual Appropriation.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>				
Real Estate Annual Appropriation.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land	541	552	550	550	550	2,743
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>541</b>	<b>552</b>	<b>550</b>	<b>550</b>	<b>550</b>	<b>2,743</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	541	552	550	550	550	2,743
<b>Total Funds</b>	<b>541</b>	<b>552</b>	<b>550</b>	<b>550</b>	<b>550</b>	<b>2,743</b>



**2022-2026 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:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design	703		700	700	700	2,803
Construction	4,328	3,864	4,300	4,300	4,300	21,092
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>5,031</b>	<b>3,864</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>23,895</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	5,031	3,864	5,000	5,000	5,000	23,895
<b>Total Funds</b>	<b>5,031</b>	<b>3,864</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>23,895</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: Water Improvements under M/N	Project No.		S-000500	
<b>Project Description</b>				
Water Improvements completed under Street and Bridge or Stormwater Projects.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
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:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction	15,232	20,466	14,117	14,246	2,666	66,727
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>15,232</b>	<b>20,466</b>	<b>14,117</b>	<b>14,246</b>	<b>2,666</b>	<b>66,727</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	15,232	20,466	14,117	14,246	2,666	66,727
<b>Total Funds</b>	<b>15,232</b>	<b>20,466</b>	<b>14,117</b>	<b>14,246</b>	<b>2,666</b>	<b>66,727</b>

**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Water Main Replacement by Other Govt	Project No.		S-000521	
<b>Project Description</b>				
This program provides funding for the design and construction of water distribution mains replacement in coordination with projects by other governmental agencies.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
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:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other	2,920	2,440	1,400	1,400	1,400	9,560
<b>Total Allocation</b>	<b>2,920</b>	<b>2,440</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>9,560</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	2,920	2,440	1,400	1,400	1,400	9,560
<b>Total Funds</b>	<b>2,920</b>	<b>2,440</b>	<b>1,400</b>	<b>1,400</b>	<b>1,400</b>	<b>9,560</b>

**2022-2026 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:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design			2,000	2,000	2,000	6,000
Construction	5,305	10,930	6,000	6,000	6,000	34,235
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>5,305</b>	<b>10,930</b>	<b>8,000</b>	<b>8,000</b>	<b>8,000</b>	<b>40,235</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	5,305	10,930	8,000	8,000	8,000	40,235
<b>Total Funds</b>	<b>5,305</b>	<b>10,930</b>	<b>8,000</b>	<b>8,000</b>	<b>8,000</b>	<b>40,235</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: Water Main Grid Extensions Program	Project No.	S-000700	
<b>Project Description</b>			
This program provides for the design and construction of water main extension projects to improve circulation and fire protection.	<b>City Council District</b>		
	Location	CITYWIDE	Address Descr 2:
	Served:	CITYWIDE	Zip Codes:
	Key Map:		Category:
	Location Code: UA-00		Sub-Category:
<b>Project Justification</b>			
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						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design	1,000	1,104		1,000		3,104
Construction		2,208		2,200		4,408
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>1,000</b>	<b>3,312</b>		<b>3,200</b>		<b>7,512</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	1,000	3,312		3,200		7,512
<b>Total Funds</b>	<b>1,000</b>	<b>3,312</b>		<b>3,200</b>		<b>7,512</b>

**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Lg Diameter Water Line Rehab	Project No.		S-000701	
<b>Project Description</b>				
This program provides for the repairs and replacements of large diameter waterlines and valves in the distribution and transmission system.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
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:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design		2,119	2,000	1,000	1,000	6,119
Construction			12,540	6,000	6,000	24,540
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>		<b>2,119</b>	<b>14,540</b>	<b>7,000</b>	<b>7,000</b>	<b>30,659</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd		2,119	14,540	7,000	7,000	30,659
<b>Total Funds</b>		<b>2,119</b>	<b>14,540</b>	<b>7,000</b>	<b>7,000</b>	<b>30,659</b>

**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Valve Replacement & Installation Program	Project No.		S-000702	
<b>Project Description</b>				
This program provides for the inspection and replacement of missing or broken valves on water lines.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>				
The water distribution and transmission system will not function properly without the valves.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction		4,416		4,500		8,916
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>		<b>4,416</b>		<b>4,500</b>		<b>8,916</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd		4,416		4,500		8,916
<b>Total Funds</b>		<b>4,416</b>		<b>4,500</b>		<b>8,916</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: Sponsor Participation-Water Mains Prog.	Project No.	S-000800	
<b>Project Description</b>			
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.	<b>City Council District</b>		
	Location	CITYWIDE	Address Descr 2:
	Served:	CITYWIDE	Zip Codes:
	Key Map:		Category:
	Location Code: UA-00		Sub-Category:
<b>Project Justification</b>			
This program is necessary for the City to promote In-City development and to meet future demands.	Units:	0	
	Start Year:	2021	
	RCC Total	\$	RCA Total \$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other	2,164	2,208	2,000	2,000	2,000	10,372
<b>Total Allocation</b>	<b>2,164</b>	<b>2,208</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>10,372</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	2,164	2,208	2,000	2,000	2,000	10,372
<b>Total Funds</b>	<b>2,164</b>	<b>2,208</b>	<b>2,000</b>	<b>2,000</b>	<b>2,000</b>	<b>10,372</b>



**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Lake Houston Dam Projects	Project No.		S-000890	
<b>Project Description</b>				
Repairs to Lake Houston Dam or other infrastructure associated with Lake Houston Water Supply. Coastal Water Authority is the facility operator.	<b>City Council District</b>			
	Location	E	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>				
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						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other		42,796				42,796
<b>Total Allocation</b>		<b>42,796</b>				<b>42,796</b>
<b>Source of Funds</b>						
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						
<b>Total Funds</b>		<b>42,796</b>				<b>42,796</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

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

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction	824	841	800			2,466
Equipment Acquisition						
Salary Recovery						
Other				800		800
<b>Total Allocation</b>	<b>824</b>	<b>841</b>	<b>800</b>	<b>800</b>		<b>3,266</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	824	841	800	800		3,266
<b>Total Funds</b>	<b>824</b>	<b>841</b>	<b>800</b>	<b>800</b>		<b>3,266</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: Surface Water Transmission Program	Project No.	S-000900	
<b>Project Description</b>			
Project program provides for the design and construction of transmission and distribution lines to convey treated water from surface water facilities.	<b>City Council District</b>		
	Location	CITYWIDE	Address Descr 2:
	Served:	CITYWIDE	Zip Codes:
	Key Map:		Category:
	Location Code: UA-00		Sub-Category:
<b>Project Justification</b>			
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:	2021	
	RCC Total	\$	RCA Total \$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land	28,012					28,012
Design	7,572	10,004				17,576
Construction	86,953	113,525	121,085	23,909		345,472
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>122,537</b>	<b>123,529</b>	<b>121,085</b>	<b>23,909</b>		<b>391,060</b>
<b>Source of Funds</b>						
8319 - HPW-W & S Contributed CAP						
8500 - HPW-W&S Syst Consolidated Constr Fd	102,189	123,529	61,156			286,874
8509 - HPW-SETL Capital Contribution	20,348		50,756	20,992		92,097
8510 - HPW-SETL Construction Fund			9,172	2,917		12,089
<b>Total Funds</b>	<b>122,537</b>	<b>123,529</b>	<b>121,085</b>	<b>23,909</b>		<b>391,060</b>

Some projects in this section are 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 - 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:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design			500	500	500	1,500
Construction	3,547	5,910	5,000	5,000	5,000	24,457
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>3,547</b>	<b>5,910</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>25,957</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	3,547	5,910	5,500	5,500	5,500	25,957
<b>Total Funds</b>	<b>3,547</b>	<b>5,910</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>25,957</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: Automatic Meter Reading Program	Project No.		S-000956	
<b>Project Description</b>				
This program provides for the purchase and installation of radio frequency automated meter reading devices and Mobile Data Command System to read meters.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
The program reduces manpower and allow monitoring water consumption on demand to reduce unaccounted water.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition					16,055	16,055
Salary Recovery						
Other						
<b>Total Allocation</b>					<b>16,055</b>	<b>16,055</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd					16,055	16,055
<b>Total Funds</b>					<b>16,055</b>	<b>16,055</b>

**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Meter Replacement & Upgrade Program	Project No.		S-000958	
<b>Project Description</b>				
This program provides removal, replacement, and upgrade of water meters to get accurate readings.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
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:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition	5,388	5,498	5,500	5,500	5,500	27,386
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>5,388</b>	<b>5,498</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>27,386</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	5,388	5,498	5,500	5,500	5,500	27,386
<b>Total Funds</b>	<b>5,388</b>	<b>5,498</b>	<b>5,500</b>	<b>5,500</b>	<b>5,500</b>	<b>27,386</b>

**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Pump Station Program	Project No.		S-001000	
<b>Project Description</b>				
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.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
This program is necessary to meet the water system capacity requirements by the TCEQ and Annual State inspection.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design		54				54
Construction	12,416	25,178	25,615	3,879		67,088
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>12,416</b>	<b>25,232</b>	<b>25,615</b>	<b>3,879</b>		<b>67,142</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	12,416	25,232	25,615	3,879		67,142
<b>Total Funds</b>	<b>12,416</b>	<b>25,232</b>	<b>25,615</b>	<b>3,879</b>		<b>67,142</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: Water Substitute Service Program	Project No.		S-002015	
<b>Project Description</b>				
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.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
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						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction	271	276	300	300	300	1,447
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>271</b>	<b>276</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>1,447</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	271	276	300	300	300	1,447
<b>Total Funds</b>	<b>271</b>	<b>276</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>1,447</b>



**2022-2026 CAPITAL IMPROVEMENT PLAN (\$ Thousands)****CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Upgrades to CUS-Owned Support Facilities	Project No.	S-900001		
<b>Project Description</b>				
Upgrades to Mechanical, Electrical and Plumbing Systems at 611 Walker, 2805 McKinney, and other support facilities.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:	493L	Category:	
	Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>				
Address life/safety and functional requirements for CUS-owned office/support facilities.	Units:	0		
	Start Year:	2021		
	RCC Total	\$	RCA Total	\$

Project Allocation						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction	4,500	1,000	1,000	1,000	1,000	8,500
Equipment Acquisition						
Salary Recovery						
Other						
<b>Total Allocation</b>	<b>4,500</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>8,500</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	4,500	1,000	1,000	1,000	1,000	8,500
<b>Total Funds</b>	<b>4,500</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>8,500</b>

Some projects in this section are 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 - WATER UTILITY SYSTEM FACILITIES**

Project: Funding Offset	Project No.		S-NA0000	
<b>Project Description</b>				
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.	<b>City Council District</b>			
	Location	CITYWIDE	Address Descr 2:	
	Served:	CITYWIDE	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>				
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						2022-2026
	2022	2023	2024	2025	2026	
Planning						
Acquisition-Land						
Design						
Construction						
Equipment Acquisition						
Salary Recovery						
Other		-42,796				-42,796
<b>Total Allocation</b>		<b>-42,796</b>				<b>-42,796</b>
<b>Source of Funds</b>						
4042 - DDSRF CAPITAL FUND-DRAINAGE CHARGE		-10,699				-10,699
5430 - Federal State Local - HPW Pass thru DDSR		-32,097				-32,097
<b>Total Funds</b>		<b>-42,796</b>				<b>-42,796</b>