

The seal of the City of Houston, Texas, is a circular emblem. It features a five-pointed star at the top center. Below the star is a steam locomotive with smoke coming from its chimney. Underneath the locomotive is a plow. The words "CITY OF HOUSTON" are written in a circular path around the top half of the seal, and "TEXAS" is written around the bottom half. The entire seal is rendered in a light gray, semi-transparent style.

WATER UTILITY SYSTEM FACILITIES

Water Utility System

The Water Utility System (System) delivers treated surface and ground water to customers through a series of storage tanks, pump stations, transmission and distribution mains. This potable water is sold to domestic, commercial, industrial, governmental, and other customers in the Houston metropolitan area. In addition, untreated surface water is delivered for sale to governmental, industrial and agricultural customers. The System provides water to the residents of Houston as well as municipalities, municipal utility districts, and water authorities outside the City limits. The service population is approximately 4 million.

The System relies on 86% Surface Water and 14% Groundwater sources. Surface Water is sourced from Lake Conroe and Lake Houston in the San Jacinto River System and Lake Livingston in the Trinity River System. In aggregate, these supplies are sufficient to meet the City's expected water demands beyond the year 2060. However, additional water supply strategies have been developed to meet the long-term needs. In addition, the System continues to shift its supply source from groundwater to surface water in accordance with state mandates.

The Capital Improvement Plan (CIP) provides an estimate of delivery by fiscal year for the next five years. The FY2027-2031 CIP includes approximately \$5 billion of Water Utility System improvements financed by a combination of pay-as-you-go, revenue bonds and proposed contributed capital.

Highlights of the Fiscal Year 2027-2031 CIP:

- Continue work to replace East Water Purification Plants 1 and 2.
- Improve raw water supply infrastructure including facilities operated by the Coastal Water Authority and Trinity River Authority.
- Continue funding for replacement of water mains to reduce water loss, improve fire protection, water quality, system reliability and assure compliance with Texas Commission on Environmental Quality (TCEQ) regulations.

- Continue to construct surface water transmission lines to access and deliver expanded treated surface water supplies for Houston and surrounding water authorities.
- Install chloramination chemical systems at 30 groundwater pump stations.
- Rehabilitate wells, ground storage tanks and pump stations as part of long-range asset management.

Project Allocation	Fiscal Year Planned Appropriations					2027-2031
	2027	2028	2029	2030	2031	
Planning						
Acquisition-Land	1,782					1,782
Design	32,081	91,600	73,600	88,600	78,100	363,981
Construction	666,394	715,152	565,766	1,089,365	1,147,537	4,184,214
Equipment Acquisition	5,500	5,500	5,500	5,500	5,500	27,500
Salary Recovery						
Other	79,889	119,450	52,950	122,950	108,950	484,189
Total Allocation	785,646	931,702	697,816	1,306,415	1,340,087	5,061,666
Source of Funds						
4042 - DDSRF CAPITAL FUND-DRAINAGE CHARGE						
5410 - State - PWE State Grant Funded - DDSR						
5430 - Federal State Local - HPW Pass thru DDSR						
8500 - HPW-W&S Syst Consolidated Constr Fd	716,963	636,340	347,816	1,306,415	1,340,087	4,347,621
8509 - HPW-SETL Capital Contribution	60,304	20,069				80,373
8510 - HPW-SETL Construction Fund	8,379	10,293				18,672
8512 - East Water Purification Enhancement Proj		265,000	350,000			615,000
Total Funds	785,646	931,702	697,816	1,306,415	1,340,087	5,061,666

WATER UTILITY SYSTEM FACILITIES - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project		Fiscal Year Planned Appropriations					2027-2031	
			2027	2028	2029	2030	2031		
S-000012	Southeast Water Purification Plant								
	8500 - HPW-W&S Syst Consolidated Constr Fd		39,061	50,000				89,061	
	Project Total		39,061	50,000				89,061	
S-000019	Emergency Needs for Water Utility								
	8500 - HPW-W&S Syst Consolidated Constr Fd		550	550	550	550	550	2,750	
	Project Total		550	550	550	550	550	2,750	
S-000020	Miscellaneous Water Needs								
	8500 - HPW-W&S Syst Consolidated Constr Fd		14,337	337	45,337	337	337	60,687	
	Project Total		14,337	337	45,337	337	337	60,687	
S-000035	Neighborhood Water Main Replacement								
	8500 - HPW-W&S Syst Consolidated Constr Fd		86,849	141,345	61,655	54,500		344,349	
	Project Total		86,849	141,345	61,655	54,500		344,349	
S-000056	East Water Purification Plant								
	8500 - HPW-W&S Syst Consolidated Constr Fd		71,531	233,559		1,000,000	1,275,000	2,580,090	
	8512 - East Water Purification Enhancement Proj			265,000	350,000			615,000	
	Project Total		71,531	498,559	350,000	1,000,000	1,275,000	3,195,090	
S-000065	NE Water Purification Plant Expansion								
	8500 - HPW-W&S Syst Consolidated Constr Fd		55,000					55,000	
	Project Total		55,000					55,000	
S-000100	New / Replacement Ground Water Wells								
	8500 - HPW-W&S Syst Consolidated Constr Fd		10,000	10,000	10,000	10,000	10,000	50,000	
	Project Total		10,000	10,000	10,000	10,000	10,000	50,000	
S-000200	Water Well Renewal Program								
	8500 - HPW-W&S Syst Consolidated Constr Fd		5,000	5,000	5,000	5,000	5,000	25,000	
	Project Total		5,000	5,000	5,000	5,000	5,000	25,000	

WATER UTILITY SYSTEM FACILITIES - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project							2027-2031	
			2027	2028	2029	2030	2031		
S-000500	Water Improvements Under M/N								
	8500 - HPW-W&S Syst Consolidated Constr Fd		26,392	12,014	26,362	9,828		74,596	
	Project Total		26,392	12,014	26,362	9,828		74,596	
S-000521	Water Main Replacement by Other Govt								
	8500 - HPW-W&S Syst Consolidated Constr Fd		1,400	1,400	1,400	1,400	1,400	7,000	
	Project Total		1,400	1,400	1,400	1,400	1,400	7,000	
S-000600	Water Storage Tank Rehabilitation								
	8500 - HPW-W&S Syst Consolidated Constr Fd		9,550	5,300	8,000	8,000	8,000	38,850	
	Project Total		9,550	5,300	8,000	8,000	8,000	38,850	
S-000700	Water Main Grid Extensions Program								
	8500 - HPW-W&S Syst Consolidated Constr Fd		18,500	10,500	18,500	10,500	18,500	76,500	
	Project Total		18,500	10,500	18,500	10,500	18,500	76,500	
S-000701	Lg Diameter Water Line Rehab								
	8500 - HPW-W&S Syst Consolidated Constr Fd		56,601	57,650	7,000	7,000	7,000	135,251	
	Project Total		56,601	57,650	7,000	7,000	7,000	135,251	
S-000800	Sponsor Participation-Water Mains Prog.								
	8500 - HPW-W&S Syst Consolidated Constr Fd		2,000	2,000	2,000	2,000	2,000	10,000	
	Project Total		2,000	2,000	2,000	2,000	2,000	10,000	
S-000890	Lake Houston Dam Projects								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			10,699				10,699	
	5410 - State - PWE State Grant Funded - DDSR			85,000				85,000	
	5430 - Federal State Local - HPW Pass thru DDSR			32,097				32,097	
	Project Total			127,796				127,796	

WATER UTILITY SYSTEM FACILITIES - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project							2027-2031	
			2027	2028	2029	2030	2031		
S-000900	Surface Water Transmission Program								
	8500 - HPW-W&S Syst Consolidated Constr Fd		183,817	10,784	109,711	90,000		394,312	
	8509 - HPW-SETL Capital Contribution		60,304	20,069				80,373	
	8510 - HPW-SETL Construction Fund		8,379	10,293				18,672	
	Project Total		252,500	41,146	109,711	90,000		493,357	
S-000901	Condition Assessment and Rehabilitation								
	8500 - HPW-W&S Syst Consolidated Constr Fd		12,175	5,500	15,500	5,500	5,500	44,175	
	Project Total		12,175	5,500	15,500	5,500	5,500	44,175	
S-000902	Raw Water Transmission Lines								
	8500 - HPW-W&S Syst Consolidated Constr Fd		75,000	75,000	30,000	95,000		275,000	
	Project Total		75,000	75,000	30,000	95,000		275,000	
S-000958	Meter Replacement & Upgrade Program								
	8500 - HPW-W&S Syst Consolidated Constr Fd		5,500	5,500	5,500	5,500	5,500	27,500	
	Project Total		5,500	5,500	5,500	5,500	5,500	27,500	
S-001000	Pump Station Program								
	8500 - HPW-W&S Syst Consolidated Constr Fd		42,400	8,600				51,000	
	Project Total		42,400	8,600				51,000	
S-002015	Water Substitute Service Program								
	8500 - HPW-W&S Syst Consolidated Constr Fd		300	300	300	300	300	1,500	
	Project Total		300	300	300	300	300	1,500	
S-900001	Upgrades to CUS-Owned Support Facilities								
	8500 - HPW-W&S Syst Consolidated Constr Fd		1,000	1,000	1,000	1,000	1,000	5,000	
	Project Total		1,000	1,000	1,000	1,000	1,000	5,000	

WATER UTILITY SYSTEM FACILITIES - Summary of Funds
2027-2031 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project							2027-2031	
			2027	2028	2029	2030	2031		
S-NA0000	Funding Offset								
	4042 - DDSRF CAPITAL FUND-DRAINAGE CHAR			-10,699				-10,699	
	5410 - State - PWE State Grant Funded - DDSR			-85,000				-85,000	
	5430 - Federal State Local - HPW Pass thru DDSR			-32,097				-32,097	
	Project Total			-127,796				-127,796	
Total Appropriations:			785,646	931,702	697,816	1,306,415	1,340,087	5,061,666	