

WASTEWATER TREATMENT FACILITIES



Wastewater Treatment System

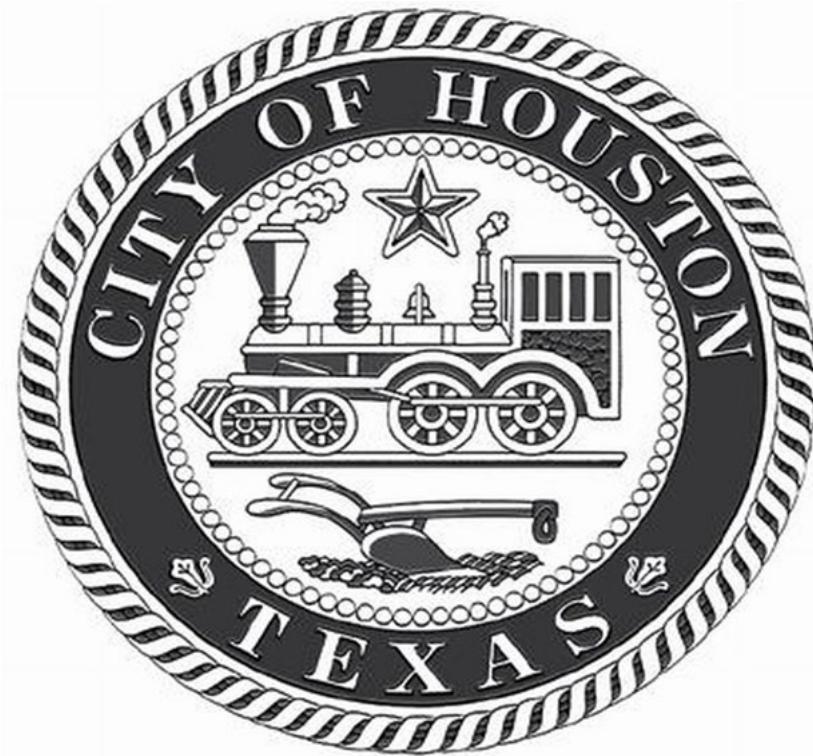
The Wastewater Treatment System (System) collects, conveys and processes wastewater from an estimated 3 million people, generated in a service area, which includes the City of Houston, several municipalities and unincorporated communities in the Houston metropolitan area. The system consists of approximately 6,200 miles of sanitary sewer lines, including over 300 miles of wastewater pressure force mains, over 380 sanitary lift stations and 39 wastewater treatment plants. The average daily wastewater flow through the system is estimated at 250 million gallons per day (MGD). As reflected by state permits, the effective treatment capacity of the system is 564 MGD.

The program of improvements provides for the continued upgrade of the System and compliance with the regulations issued by the Texas Commission on Environmental Quality (TCEQ) and the U.S. Environmental Protection Agency (EPA). A number of the projects included in this chapter implement commitments under the Consent Decree between the City of Houston, EPA, and TCEQ, as approved by the United States District Court on March 31, 2021.

The Capital Improvement Plan (CIP) provides an estimate of delivery by fiscal year for the next five years. The FY2026-2030 CIP includes approximately \$3.1 billion of Wastewater Treatment System improvements financed by a combination of pay-as-you-go and revenue bonds.

Highlights of the Fiscal Year 2026-2030 CIP:

- A robust asset management program to maintain and extend service life of facilities and satisfy Consent Decree commitments including:
 - Rehabilitate neighborhood sewers to improve service, remove excessive infiltration, prevent sanitary sewer overflows and eliminate sewage backups
 - Renew and rehabilitate the citywide force main system and various lift stations
 - Upgrade, rehabilitate or renew various wastewater treatment plants
 - Evaluate and rehabilitate large diameter sewers
- Advance the consolidation of lift stations and/or wastewater treatment plants.



Project Allocation	Fiscal Year Planned Appropriations					2026-2030
	2026	2027	2028	2029	2030	
Planning						
Acquisition-Land	2,550	1,782				
Design	356,540	56,650	148,250	134,750	133,250	272,510
Construction	865,281	1,175,709	1,923,655	1,328,674	1,312,587	3,495,729
Equipment Acquisition	5,500	5,500	5,500	5,500	5,500	
Salary Recovery						
Other	201,845	82,350	122,850	56,350	126,350	17,000
Total Allocation	1,431,716	1,321,991	2,200,255	1,525,274	1,577,687	3,785,239
Source of Funds						
8500 - HPW-W&S Syst Consolidated Constr Fd	540,106	763,559	1,345,237	859,238	277,100	3,785,239
Total Funds	540,106	763,559	1,345,237	859,238	277,100	3,785,239

WASTEWATER TREATMENT FACILITIES - Summary of Funds
2026-2030 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project		Fiscal Year Planned Appropriations					2026-2030	
			2026	2027	2028	2029	2030		
R-000019	Emergency Needs for Wastewater Utility								
	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	
R-000020	Miscellaneous Needs for Public Utility								
	8500 - HPW-W&S Syst Consolidated Constr Fd		9,200	6,200	6,200	6,200	6,200	34,000	
	Project Total		9,200	6,200	6,200	6,200	6,200	34,000	
R-000035	Wastewater Force Main Renewal								
	8500 - HPW-W&S Syst Consolidated Constr Fd		27,500	21,018	16,000	22,000	16,000	102,518	
	Project Total		27,500	21,018	16,000	22,000	16,000	102,518	
R-000265	Wastewater Treatment Plant Improvements								
	8500 - HPW-W&S Syst Consolidated Constr Fd		134,936	234,735	467,500	172,300	16,000	1,025,471	
	Project Total		134,936	234,735	467,500	172,300	16,000	1,025,471	
R-000266	Neighborhood Sewer Rehab Program								
	8500 - HPW-W&S Syst Consolidated Constr Fd		96,000	96,000	96,000	96,000	96,000	480,000	
	Project Total		96,000	96,000	96,000	96,000	96,000	480,000	
R-000267	Lift Station Renewal & Replacement								
	8500 - HPW-W&S Syst Consolidated Constr Fd		17,113	168,110	237,857	51,000	51,000	525,080	
	Project Total		17,113	168,110	237,857	51,000	51,000	525,080	
R-000298	Almeda Sims Wastewater Treatment Plant								
	8500 - HPW-W&S Syst Consolidated Constr Fd		7,610					7,610	
	Project Total		7,610					7,610	
R-000500	WW Improvements under M/N								
	8500 - HPW-W&S Syst Consolidated Constr Fd		29,493	6,053	12,000	4,238		51,783	
	Project Total		29,493	6,053	12,000	4,238		51,783	

WASTEWATER TREATMENT FACILITIES - Summary of Funds
2026-2030 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project							2026-2030	
			2026	2027	2028	2029	2030		
R-000521	Sewer Line 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	
R-000536	Wastewater Treatment Plant Consolidation								
	8500 - HPW-W&S Syst Consolidated Constr Fd		78,787	2,500	2,500	2,500	2,500	88,787	
	Project Total		78,787	2,500	2,500	2,500	2,500	88,787	
R-000800	Collection System-Sponsor Participation								
	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	
R-001000	Wastewater Treatment Plant Service Areas								
	8500 - HPW-W&S Syst Consolidated Constr Fd		53,000	159,650	439,780	437,600	22,000	1,112,030	
	Project Total		53,000	159,650	439,780	437,600	22,000	1,112,030	
R-002011	Neighborhood Sewer Systems Improvements								
	8500 - HPW-W&S Syst Consolidated Constr Fd		65,067	47,893	46,000	46,000	46,000	250,960	
	Project Total		65,067	47,893	46,000	46,000	46,000	250,960	
R-002013	Large Diameter Sewer (LDS) Rehab								
	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	
R-002015	Wastewater Substitute Service Program								
	8500 - HPW-W&S Syst Consolidated Constr Fd		6,000	6,000	6,000	6,000	6,000	30,000	
	Project Total		6,000	6,000	6,000	6,000	6,000	30,000	
R-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	
Total Appropriations:			540,106	763,559	1,345,237	859,238	277,100	3,785,239	



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