

The seal of the City of Houston, Texas, is a circular emblem. It features a central illustration of a steam locomotive with a star above it. The locomotive is emitting smoke from its smokestack. Below the locomotive is a plow. The entire scene is enclosed within a circular border with a rope-like texture. The words "CITY OF HOUSTON" are written in an arc at the top, and "TEXAS" is written in an arc at the bottom.

# **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
<b>Total Allocation</b>	<b>1,431,716</b>	<b>1,321,991</b>	<b>2,200,255</b>	<b>1,525,274</b>	<b>1,577,687</b>	<b>3,785,239</b>
<b>Source of Funds</b>						
8500 - HPW-W&S Syst Consolidated Constr Fd	540,106	763,559	1,345,237	859,238	277,100	3,785,239
<b>Total Funds</b>	<b>540,106</b>	<b>763,559</b>	<b>1,345,237</b>	<b>859,238</b>	<b>277,100</b>	<b>3,785,239</b>

**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		
<b>R-000019</b>	<b>Emergency Needs for Wastewater Utility</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		1,000	1,000	1,000	1,000	1,000	5,000	
	<b>Project Total</b>		1,000	1,000	1,000	1,000	1,000	5,000	
<b>R-000020</b>	<b>Miscellaneous Needs for Public Utility</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		9,200	6,200	6,200	6,200	6,200	34,000	
	<b>Project Total</b>		9,200	6,200	6,200	6,200	6,200	34,000	
<b>R-000035</b>	<b>Wastewater Force Main Renewal</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		27,500	21,018	16,000	22,000	16,000	102,518	
	<b>Project Total</b>		27,500	21,018	16,000	22,000	16,000	102,518	
<b>R-000265</b>	<b>Wastewater Treatment Plant Improvements</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		134,936	234,735	467,500	172,300	16,000	1,025,471	
	<b>Project Total</b>		134,936	234,735	467,500	172,300	16,000	1,025,471	
<b>R-000266</b>	<b>Neighborhood Sewer Rehab Program</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		96,000	96,000	96,000	96,000	96,000	480,000	
	<b>Project Total</b>		96,000	96,000	96,000	96,000	96,000	480,000	
<b>R-000267</b>	<b>Lift Station Renewal &amp; Replacement</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		17,113	168,110	237,857	51,000	51,000	525,080	
	<b>Project Total</b>		17,113	168,110	237,857	51,000	51,000	525,080	
<b>R-000298</b>	<b>Almeda Sims Wastewater Treatment Plant</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		7,610					7,610	
	<b>Project Total</b>		7,610					7,610	
<b>R-000500</b>	<b>WW Improvements under M/N</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		29,493	6,053	12,000	4,238		51,783	
	<b>Project Total</b>		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		
<b>R-000521</b>	<b>Sewer Line Replacement by Other Govt</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		1,400	1,400	1,400	1,400	1,400	7,000	
	<b>Project Total</b>		1,400	1,400	1,400	1,400	1,400	7,000	
<b>R-000536</b>	<b>Wastewater Treatment Plant Consolidation</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		78,787	2,500	2,500	2,500	2,500	88,787	
	<b>Project Total</b>		78,787	2,500	2,500	2,500	2,500	88,787	
<b>R-000800</b>	<b>Collection System-Sponsor Participation</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		2,000	2,000	2,000	2,000	2,000	10,000	
	<b>Project Total</b>		2,000	2,000	2,000	2,000	2,000	10,000	
<b>R-001000</b>	<b>Wastewater Treatment Plant Service Areas</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		53,000	159,650	439,780	437,600	22,000	1,112,030	
	<b>Project Total</b>		53,000	159,650	439,780	437,600	22,000	1,112,030	
<b>R-002011</b>	<b>Neighborhood Sewer Systems Improvements</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		65,067	47,893	46,000	46,000	46,000	250,960	
	<b>Project Total</b>		65,067	47,893	46,000	46,000	46,000	250,960	
<b>R-002013</b>	<b>Large Diameter Sewer (LDS) Rehab</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		10,000	10,000	10,000	10,000	10,000	50,000	
	<b>Project Total</b>		10,000	10,000	10,000	10,000	10,000	50,000	
<b>R-002015</b>	<b>Wastewater Substitute Service Program</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		6,000	6,000	6,000	6,000	6,000	30,000	
	<b>Project Total</b>		6,000	6,000	6,000	6,000	6,000	30,000	
<b>R-900001</b>	<b>Upgrades to CUS-Owned Support Facilities</b>								
	8500 - HPW-W&S Syst Consolidated Constr Fd		1,000	1,000	1,000	1,000	1,000	5,000	
	<b>Project Total</b>		1,000	1,000	1,000	1,000	1,000	5,000	
<b>Total Appropriations:</b>			540,106	763,559	1,345,237	859,238	277,100	3,785,239	



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