

The seal of the City of Houston, Texas, is a circular emblem. It features a central five-pointed star above a steam locomotive. Below the locomotive is a plow. The words "CITY OF HOUSTON" are inscribed in an arc at the top, and "TEXAS" is inscribed at the bottom. The entire seal is rendered in a light gray, semi-transparent style.

# **SOLID WASTE MANAGEMENT FACILITIES**

# Solid Waste Management Facilities

As a steward of the public trust, the objectives of the Solid Waste Management Department's five year Capital Improvement Plan are to maintain, preserve, and extend its physical assets, as well as to provide solid waste services to the residents of Houston through the collection, disposal and recycling of discarded material in a manner that is safe, efficient, environmentally sound and cost-effective.

The Solid Waste Management Department maximizes integrated solid waste management services for all citizens of Houston through bond improvement projects, while efficiently managing competing constraints, i.e. environmental mandates and annual budget, on current and long-term assets.

## Highlights for the Fiscal Year 2018 - 2022 Adopted CIP include:

- A "turnkey" integrated, a cloud-based automated vehicle Tracking, Route and Performance Management System (TRPMS) utilizing the City's Geographic Information System (GIS). The system will be capable of tracking and reporting location, direction of travel, vehicle speed, as well as deliver near real-time metrics of garbage and recycling collections, heavy trash collections and tree waste removal vehicle operations.
- Replacement of aging underground storage tanks that have exceeded their useful lives.
- Repair of existing fixed assets such as failing concrete pavement at service centers and partitioning traffic patterns on city sites.
- Voluntary cleanup programs at a closed landfill and contracting through the city environmental division for all environmental services.



Project Allocation	Fiscal Year Planned Appropriations					2018-2022
	2018	2019	2020	2021	2022	
Planning						
Acquisition-Land						
Design	866	51	73	29	40	1,059
Construction	3,315	10,181	1,070	1,287	1,001	16,854
Equipment Acquisition	476		90			566
Salary Recovery	254	254	254	254	254	1,270
Other	15	158				173
<b>Total Allocation</b>	<b>4,926</b>	<b>10,644</b>	<b>1,486</b>	<b>1,569</b>	<b>1,296</b>	<b>19,922</b>
<b>Source of Funds</b>						
1800 - Equipment Acquisition Consolidated Fund	476		90			566
4503 - Solid Waste Consolidated Construction Fd	3,624	1,032				4,656
Future Bond Election	826	9,612	1,396	1,569	1,296	14,699
<b>Total Funds</b>	<b>4,926</b>	<b>10,644</b>	<b>1,486</b>	<b>1,569</b>	<b>1,296</b>	<b>19,922</b>

**SOLID WASTE FACILITIES - Summary of Funds**  
**2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project	Fiscal Year Planned Appropriations					2018-2022
		2018	2019	2020	2021	2022	
<b>L-000029</b>	<b>Remediation and Tank Replacement-NW SC</b>						
	4503 - Solid Waste Consolidated Construction Fd		560				560
	<b>Project Total</b>		560				560
<b>L-000052</b>	<b>Environmental Services</b>						
	4503 - Solid Waste Consolidated Construction Fd	100	100				200
	Future Bond Election			267	267	167	701
	<b>Project Total</b>	100	100	267	267	167	901
<b>L-000078</b>	<b>New Multi-Use SWD Facility</b>						
	Future Bond Election	826	9,158				9,984
	<b>Project Total</b>	826	9,158				9,984
<b>L-000080</b>	<b>11500 South Post Oak Fuel Site</b>						
	4503 - Solid Waste Consolidated Construction Fd	1,869					1,869
	<b>Project Total</b>	1,869					1,869
<b>L-000086</b>	<b>Concrete &amp; Pavement Repairs</b>						
	4503 - Solid Waste Consolidated Construction Fd	61	61				122
	Future Bond Election			61	61		122
	<b>Project Total</b>	61	61	61	61		244
<b>L-000099</b>	<b>Bioremediation Equipment</b>						
	1800 - Equipment Acquisition Consolidated Fund	100					100
	<b>Project Total</b>	100					100
<b>L-000100</b>	<b>Holmes Road Incinerator Remediation</b>						
	4503 - Solid Waste Consolidated Construction Fd	1,300					1,300
	<b>Project Total</b>	1,300					1,300

**SOLID WASTE FACILITIES - Summary of Funds**  
**2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2018-2022	
		2018	2019	2020	2021	2022		
<b>L-000102</b>	<b>Oil Storage Tank Containments</b>							
	Future Bond Election			177				177
	<b>Project Total</b>			177				177
<b>L-000103</b>	<b>Roll-off Covers for Dumpsters</b>							
	1800 - Equipment Acquisition Consolidated Fund			90				90
	<b>Project Total</b>			90				90
<b>L-000104</b>	<b>Occupancy Code Compliance</b>							
	4503 - Solid Waste Consolidated Construction Fd		311					311
	Future Bond Election			104	104			208
	<b>Project Total</b>		311	104	104			519
<b>L-000105</b>	<b>Locker Room Upgrades - Svc Centers</b>							
	4503 - Solid Waste Consolidated Construction Fd	40						40
	Future Bond Election		200	200	40			440
	<b>Project Total</b>	40	200	200	40			480
<b>L-000106</b>	<b>Public Parking Addition-9003 N. Main</b>							
	Future Bond Election			44	554			598
	<b>Project Total</b>			44	554			598
<b>L-000107</b>	<b>Bioremediation of Pollution Controls</b>							
	Future Bond Election			289	289	289		868
	<b>Project Total</b>			289	289	289		868
<b>L-000108</b>	<b>Storm Water Mitigation</b>							
	Future Bond Election					585		585
	<b>Project Total</b>					585		585

**SOLID WASTE FACILITIES - Summary of Funds**  
**2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2018-2022	
		2018	2019	2020	2021	2022		
<b>L-000109</b>	<b>Facilities Security Upgrades</b>							
	1800 - Equipment Acquisition Consolidated Fund	376					376	
	<b>Project Total</b>	376					376	
<b>L-000SAL</b>	<b>Salary Recovery</b>							
	4503 - Solid Waste Consolidated Construction Fd	254					254	
	Future Bond Election		254	254	254	254	1,016	
	<b>Project Total</b>	254	254	254	254	254	1,270	
	<b>Total Appropriations:</b>	4,926	10,644	1,486	1,569	1,296	19,922	

**SOLID WASTE - Department Related Projects  
2018 - 2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

This page lists projects that support the department but are found in other sections of the Capital improvement Plan

Section CIP No.	Project	Fiscal Year Planned Appropriations					2018 -2022
		2018	2019	2020	2021	2022	
<b>Fleet</b>							
<b>W-21ATSH</b>	<b>SWD - Automated Trash Vehicles</b>						
	1800 - Equipment Acquisition Consolidated Fund	3,300	3,396	3,492	3,600	4,017	17,805
	<b>Project Total</b>	3,300	3,396	3,492	3,600	4,017	17,805
<b>W-21NDES</b>	<b>SWD - Neighborhood Depositories</b>						
	1800 - Equipment Acquisition Consolidated Fund	280	285	290	295	300	1,450
	<b>Project Total</b>	280	285	290	295	300	1,450
<b>Information Technology</b>							
<b>X-210001</b>	<b>SWD - Vehicle Tracking &amp; Performance Sys</b>						
	1800 - Equipment Acquisition Consolidated Fund	1,058					1,058
	<b>Project Total</b>	1,058					1,058
	<b>Total Appropriations:</b>	<b>4,638</b>	<b>3,681</b>	<b>3,782</b>	<b>3,895</b>	<b>4,317</b>	<b>20,313</b>



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