

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 the upper arc, and "TEXAS" is in the lower arc. The entire seal is rendered in a light gray, semi-transparent style.

INFORMATION TECHNOLOGY

Information Technology

The CIP for Information Technology (IT) outlines significant initiatives and investments in information technology services, infrastructure, and security. It recognizes that investments may occur in one or across several years. Similar to physical structure capital projects, IT capital projects experience a lifecycle of design, construct, test, and implement.

Houston Information Technology Services (HITS) is the City's central IT department serving a broad array of City departments. HITS vision is to collaborate with stakeholders – citizens, employees, agencies, business partners – to achieve the greatest return on technology investments, now and in the future, in service to parties with a vested interest in the City.

Highlights of the Fiscal Year 2020 - 2024 Adopted CIP include:

- **Administration and Regulatory Affairs** – 311 software solution; permit / inspection software.
- **Office of Business Opportunity** – MWBE program automation
- **Finance** – contract / procurement management solution; capital and budget projects for workflow, tracking, and reporting
- **General Services** – real estate management software
- **Houston Emergency Center** – hardware refreshes; audio-visual system upgrade; and upgrade CAD or dispatching system
- **Houston Fire** – equipment acquisition for emergency alerting systems interfaced with Houston Emergency Center
- **Houston Health** – vitals systems and cashiering upgrade
- **Houston IT Services** – data center and network refreshes; SAP tools and solutions; server / storage upgrades; security tools; contact center upgrade; end-user software and device refresh
- **Houston Police** – equipment acquisition and operational systems refreshes; solutions centric to citizen engagement; video; analysis; and mobile technologies
- **Houston Public Library** – enhance citizen experience focusing on refresh of public computers and RFID technologies
- **Human Resources** – business process tracking and automation
- **Legal** – case management system to centralize data records and streamline business processes
- **Municipal Courts** – upgrade to courtroom technologies



Project Allocation	Fiscal Year Planned Appropriations					2020-2024
	2020	2021	2022	2023	2024	
Initiating						
Planning						
Executing	18,497	7,706	7,825	8,530	6,300	48,858
Monitoring & Controlling						
Closing						
Total Allocation	18,497	7,706	7,825	8,530	6,300	48,858
Source of Funds						
1001 - Project Cost Recovery	269					269
1800 - Equipment Acquisition Consolidated Fund	14,962	7,706	7,825	8,530	6,300	45,323
2301 - Building Inspection Fund	557					557
2302 - Stormwater Fund	286					286
2310 - Dedicated Drainage & Street Renewal	443					443
2402 - Greater Houston Trans & Emer Center	7					7
8305 - HPW-Combined Utility System Gen Pur Fund	1,971					1,971
Total Funds	18,497	7,706	7,825	8,530	6,300	48,858

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2020-2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project	Fiscal Year Planned Appropriations					2020-2024
		2020	2021	2022	2023	2024	
X-100007	HPD - Operational Systems Refresh						
	1800 - Equipment Acquisition Consolidated Fund	300	300		200		800
	Project Total	300	300		200		800
X-100014	HPD - Smartphone App Internal						
	1800 - Equipment Acquisition Consolidated Fund	268					268
	Project Total	268					268
X-100017	HPD - Video Growth/Storage Expansion						
	1800 - Equipment Acquisition Consolidated Fund	333				300	633
	Project Total	333				300	633
X-100023	HPD - IT Equipment						
	1800 - Equipment Acquisition Consolidated Fund	1,951					1,951
	Project Total	1,951					1,951
X-100028	HPD - City-County Software Interface						
	1800 - Equipment Acquisition Consolidated Fund	300					300
	Project Total	300					300
X-100031	HPD - Command Center Video Wall						
	1800 - Equipment Acquisition Consolidated Fund	55					55
	Project Total	55					55
X-100032	HPD - Air Support Inventory Contl System						
	1800 - Equipment Acquisition Consolidated Fund	57					57
	Project Total	57					57
X-100035	HPD - Crime Analysis Integrated System						
	1800 - Equipment Acquisition Consolidated Fund	585					585
	Project Total	585					585

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2020-2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2020-2024
		2020	2021	2022	2023	2024	
X-100050	HPD - Mobile Technology Refresh						
	1800 - Equipment Acquisition Consolidated Fund				525	1,000	1,525
	Project Total				525	1,000	1,525
X-100052	HPD - Body Cameras						
	1800 - Equipment Acquisition Consolidated Fund	539				800	1,339
	Project Total	539				800	1,339
X-120007	HFD - EAS Upgrade						
	1800 - Equipment Acquisition Consolidated Fund				2,000	500	2,500
	Project Total				2,000	500	2,500
X-150018	HEC - Audio-Video Refresh						
	1800 - Equipment Acquisition Consolidated Fund	571					571
	Project Total	571					571
X-160004	MCD - Court Technology Upgrades						
	1800 - Equipment Acquisition Consolidated Fund	188					188
	Project Total	188					188
X-250002	GSD - Real Estate Module						
	1800 - Equipment Acquisition Consolidated Fund	416					416
	Project Total	416					416
X-340010	HPL - Radio Frequency ID Technology						
	1800 - Equipment Acquisition Consolidated Fund		417				417
	Project Total		417				417
X-340014	HPL - Public Facing Computers						
	1800 - Equipment Acquisition Consolidated Fund	313			200	200	713
	Project Total	313			200	200	713

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2020-2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2020-2024
		2020	2021	2022	2023	2024	
X-510002	OBO - MWBE Automation						
	1001 - Project Cost Recovery	1					1
	1800 - Equipment Acquisition Consolidated Fund	78					78
	2301 - Building Inspection Fund	2					2
	2302 - Stormwater Fund	1					1
	2310 - Dedicated Drainage & Street Renewal	2					2
	2402 - Greater Houston Trans & Emer Center						
	8305 - HPW-Combined Utility System Gen Pur Fund	8					8
	Project Total	92					92
X-640001	FIN - SAP CIP Enhancements						
	1800 - Equipment Acquisition Consolidated Fund	53			25		78
	Project Total	53			25		78
X-640017	FIN - SAP Budgeting Software						
	1800 - Equipment Acquisition Consolidated Fund	500	1,625				2,125
	Project Total	500	1,625				2,125
X-640018	FIN - Contract/Procurement Mgt System						
	1800 - Equipment Acquisition Consolidated Fund	1,000			1,300		2,300
	Project Total	1,000			1,300		2,300
X-640021	FIN - SAP Proj. Capitalization Workflow						
	1800 - Equipment Acquisition Consolidated Fund	106					106
	Project Total	106					106
X-640026	FIN - Inventory Tracking/Asset Models						
	1800 - Equipment Acquisition Consolidated Fund	100	400				500
	Project Total	100	400				500

INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2020-2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2020-2024
		2020	2021	2022	2023	2024	
X-650011	311 Replacement						
	1001 - Project Cost Recovery	84					84
	1800 - Equipment Acquisition Consolidated Fund	622	1,035				1,657
	2301 - Building Inspection Fund	174					174
	2302 - Stormwater Fund	89					89
	2310 - Dedicated Drainage & Street Renewal	138					138
	2402 - Greater Houston Trans & Emer Center	2					2
	8305 - HPW-Combined Utility System Gen Pur Fund	614					614
	Project Total	1,723	1,035				2,758
X-680003	Data Center Refresh						
	1800 - Equipment Acquisition Consolidated Fund		1,000	500			1,500
	Project Total		1,000	500			1,500
X-680015	Network Refresh						
	1001 - Project Cost Recovery	167					167
	1800 - Equipment Acquisition Consolidated Fund	1,350		2,517		1,000	4,867
	2301 - Building Inspection Fund	346					346
	2302 - Stormwater Fund	178					178
	2310 - Dedicated Drainage & Street Renewal	275					275
	2402 - Greater Houston Trans & Emer Center	5					5
	8305 - HPW-Combined Utility System Gen Pur Fund	1,225					1,225
	Project Total	3,546		2,517		1,000	7,063
X-680022	Server/Storage Upgrades/Enhancements						
	1800 - Equipment Acquisition Consolidated Fund	600	300	1,708			2,608
	Project Total	600	300	1,708			2,608

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2020-2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2020-2024	
		2020	2021	2022	2023	2024		
X-680023	Network Security Tools							
	1800 - Equipment Acquisition Consolidated Fund	50					50	
	Project Total	50					50	
X-680026	SAP Tools Optimization							
	1001 - Project Cost Recovery	5					5	
	2301 - Building Inspection Fund	11					11	
	2302 - Stormwater Fund	6					6	
	2310 - Dedicated Drainage & Street Renewal	9					9	
	2402 - Greater Houston Trans & Emer Center							
	8305 - HPW-Combined Utility System Gen Pur Fund	40					40	
	Project Total	72					72	
X-680030	HITS - Citywide PC Replacement							
	1800 - Equipment Acquisition Consolidated Fund	1,000	1,000	1,000	1,055	2,000	6,055	
	Project Total	1,000	1,000	1,000	1,055	2,000	6,055	
X-680032	Network Equipment Spares							
	1800 - Equipment Acquisition Consolidated Fund	40	40				80	
	Project Total	40	40				80	
X-680035	Application Development							
	1800 - Equipment Acquisition Consolidated Fund	222					222	
	Project Total	222					222	
X-680036	Desktop OS Upgrade							
	1800 - Equipment Acquisition Consolidated Fund	536	268				804	
	Project Total	536	268				804	

INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2020-2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2020-2024
		2020	2021	2022	2023	2024	
X-680037	EAS EGIS Infrastructure Refresh Phase II						
	1001 - Project Cost Recovery	4					4
	1800 - Equipment Acquisition Consolidated Fund	268					268
	2301 - Building Inspection Fund	8					8
	2302 - Stormwater Fund	4					4
	2310 - Dedicated Drainage & Street Renewal	6					6
	2402 - Greater Houston Trans & Emer Center						
	8305 - HPW-Combined Utility System Gen Pur Fund	27					27
	Project Total	316					316
X-680038	IT Help Desk Software Upgrades						
	1800 - Equipment Acquisition Consolidated Fund	107					107
	Project Total	107					107
X-680039	Legacy Application Redesign						
	1800 - Equipment Acquisition Consolidated Fund	120					120
	Project Total	120					120
X-680040	Master Data Management						
	1800 - Equipment Acquisition Consolidated Fund	259					259
	Project Total	259					259

INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2020-2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2020-2024	
		2020	2021	2022	2023	2024		
X-680041	SAP Server Storage							
	1001 - Project Cost Recovery	2					2	
	1800 - Equipment Acquisition Consolidated Fund	134					134	
	2301 - Building Inspection Fund	4					4	
	2302 - Stormwater Fund	2					2	
	2310 - Dedicated Drainage & Street Renewal	3					3	
	2402 - Greater Houston Trans & Emer Center							
	8305 - HPW-Combined Utility System Gen Pur Fund	13					13	
	Project Total	158					158	
X-680042	SAP System to Monitor Interfaces							
	1001 - Project Cost Recovery	5					5	
	1800 - Equipment Acquisition Consolidated Fund	375	321				696	
	2301 - Building Inspection Fund	11					11	
	2302 - Stormwater Fund	5					5	
	2310 - Dedicated Drainage & Street Renewal	8					8	
	2402 - Greater Houston Trans & Emer Center							
	8305 - HPW-Combined Utility System Gen Pur Fund	37					37	
	Project Total	442	321				763	
X-680044	Managed Contract Services							
	1800 - Equipment Acquisition Consolidated Fund	441		350			791	
	Project Total	441		350			791	
X-680058	HITS - Public Safety Radio Replacement							
	1800 - Equipment Acquisition Consolidated Fund					500	500	
	Project Total					500	500	

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2020-2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2020-2024
		2020	2021	2022	2023	2024	
X-680060	HITS - Public Safety CAD Replacement						
	1800 - Equipment Acquisition Consolidated Fund		1,000				1,000
	Project Total		1,000				1,000
X-680062	HITS - SAP Update to S4 HANA						
	1800 - Equipment Acquisition Consolidated Fund			1,750	1,750		3,500
	Project Total			1,750	1,750		3,500
X-680064	HITS - SAP Infrastructure Refresh						
	1800 - Equipment Acquisition Consolidated Fund	604					604
	Project Total	604					604
X-680066	HITS - SAP Disaster Recovery Cloud						
	1800 - Equipment Acquisition Consolidated Fund	446					446
	Project Total	446					446
X-68C001	Firewall Replacement						
	1800 - Equipment Acquisition Consolidated Fund				975		975
	Project Total				975		975
X-800009	HR - SAP Death Benefit Form Automation						
	1001 - Project Cost Recovery	1					1
	1800 - Equipment Acquisition Consolidated Fund	75					75
	2301 - Building Inspection Fund	2					2
	2302 - Stormwater Fund	1					1
	2310 - Dedicated Drainage & Street Renewal	2					2
	2402 - Greater Houston Trans & Emer Center						
	8305 - HPW-Combined Utility System Gen Pur Fund	7					7
	Project Total	88					88

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2020-2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2020-2024	
		2020	2021	2022	2023	2024		
X-900001	LGL - Case Mgt System Replacement							
	1800 - Equipment Acquisition Consolidated Fund				500		500	
	Project Total				500		500	
Total Appropriations:		18,497	7,706	7,825	8,530	6,300	48,858	

**INFORMATION TECHNOLOGY IMPROVEMENTS - Department Related Projects
2020 - 2024 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

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

Section	Project	Fiscal Year Planned Appropriations					2020 - 2024
		2020	2021	2022	2023	2024	
Fleet							
W-68ADSP	HITS - Admin Support / Operations						
	1800 - Equipment Acquisition Consolidated Fund	24	24	25	26	26	125
	Project Total	24	24	25	26	26	125
	Total Appropriations:	24	24	25	26	26	125