



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