

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.

INFORMATION TECHNOLOGY

Information Technology

The CIP for Information Technology outlines significant initiatives and developments in communication and information technologies. It recognizes that IT investments occur over a multi-year period. Capital technology projects follow a similar process to physical infrastructure projects, i.e. design, testing and construction/ implementation phases.

Houston IT Services or HITS (the City's central IT department) vision is to be a collaborative organization that enables our employees, partners, and citizens to get the utmost value from our technology investments now and in the future.

Opportunities to share agency data for new cross-agency collaborations exist as the department establishes coalescence between organizations, to achieve greater resource utilization and efficiencies. HITS works with other departments and IT divisions in Houston Airport System and Public Works and Engineering on these current opportunities.

Highlights of the Fiscal Year 2017 - 2021 Adopted CIP include:

- SAP - Multiple projects focused on enhancing the City's main enterprise application system.
- Budgeting Software - establishes a new budgeting approach where the City's entire planning and budgeting framework is performance and results oriented.
- Public Safety - providing new software and hardware upgrades for communication, training, and infrastructure for the Houston Police Department.
- Network Refresh - update the city's network infrastructure and software. Establish refresh cycle and increase connection speeds.
- Server & Storage Upgrades - increase capacity and infrastructure to support the City's growing technology environment.



Project Allocation	Fiscal Year Planned Appropriations					2017-2021
	2017	2018	2019	2020	2021	
Initiating						
Planning						
Executing	13,086	4,198	6,160	9,724	3,076	36,244
Monitoring & Controlling						
Closing						
Total Allocation	13,086	4,198	6,160	9,724	3,076	36,244
Source of Funds						
1800 - Equipment Acquisition Consolidated Fund	12,186	4,198	6,160	9,724	3,076	35,344
Asset Forfeiture	900					900
Total Funds	13,086	4,198	6,160	9,724	3,076	36,244

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project	Fiscal Year Planned Appropriations					2017-2021
		2017	2018	2019	2020	2021	
X-100005	HPD - Disaster Network Redundancies						
	1800 - Equipment Acquisition Consolidated Fund	200			998		1,198
	Project Total	200			998		1,198
X-100007	HPD - Operational Systems Refresh						
	1800 - Equipment Acquisition Consolidated Fund	300	300	300	300	300	1,500
	Project Total	300	300	300	300	300	1,500
X-100013	HPD - Smartphone App For Citizens						
	1800 - Equipment Acquisition Consolidated Fund			107			107
	Project Total			107			107
X-100014	HPD - Smartphone App Internal						
	1800 - Equipment Acquisition Consolidated Fund			268			268
	Project Total			268			268
X-100017	HPD - Video Operational Growth						
	1800 - Equipment Acquisition Consolidated Fund				333		333
	Project Total				333		333
X-100023	HPD - IT Equipment						
	1800 - Equipment Acquisition Consolidated Fund				1,951		1,951
	Project Total				1,951		1,951
X-100024	HPD - Portable Radios - Disaster Support						
	1800 - Equipment Acquisition Consolidated Fund	600					600
	Project Total	600					600
X-100025	HPD - Body Cameras						
	1800 - Equipment Acquisition Consolidated Fund	539					539
	Project Total	539					539

INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project						2017-2021
		2017	2018	2019	2020	2021	
X-100027	HPD - In-Car Video Cams and Storage						
	1800 - Equipment Acquisition Consolidated Fund	800	400				1,200
	Asset Forfeiture	900					900
	Project Total	1,700	400				2,100
X-100028	HPD - City-County Software Interfaces						
	1800 - Equipment Acquisition Consolidated Fund	300	300				600
	Project Total	300	300				600
X-100029	HPD - Air Support Inventory Control Sys						
	1800 - Equipment Acquisition Consolidated Fund				111		111
	Project Total				111		111
X-100030	HPD - Data Center Replacements						
	1800 - Equipment Acquisition Consolidated Fund				252		252
	Project Total				252		252
X-100031	HPD - Command Center Video Wall						
	1800 - Equipment Acquisition Consolidated Fund				55		55
	Project Total				55		55
X-100035	HPD - Crime Analysis Integrated System						
	1800 - Equipment Acquisition Consolidated Fund	300	585				885
	Project Total	300	585				885
X-110001	MYR - Citizen Assistance Website						
	1800 - Equipment Acquisition Consolidated Fund	100					100
	Project Total	100					100
X-120015	HFD - SQL Upgrades 2012						
	1800 - Equipment Acquisition Consolidated Fund	75					75
	Project Total	75					75

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2017-2021	
		2017	2018	2019	2020	2021		
X-150005	HEC - Dispatch Server Refresh							
	1800 - Equipment Acquisition Consolidated Fund				287		287	
	Project Total				287		287	
X-150011	HEC - Firehouse Hardware							
	1800 - Equipment Acquisition Consolidated Fund				82		82	
	Project Total				82		82	
X-150012	HEC - 911 Automated Text Dispatch							
	1800 - Equipment Acquisition Consolidated Fund				610		610	
	Project Total				610		610	
X-160003	MCD - CSMART SQL Database Upgrades							
	1800 - Equipment Acquisition Consolidated Fund		350				350	
	Project Total		350				350	
X-160004	MCD - Courtroom Electronic Recording							
	1800 - Equipment Acquisition Consolidated Fund				155		155	
	Project Total				155		155	
X-160005	MCD - CSMART Enable Online Filing							
	1800 - Equipment Acquisition Consolidated Fund				55		55	
	Project Total				55		55	
X-160006	MCD - Joint Processing Center Hardware							
	1800 - Equipment Acquisition Consolidated Fund			185			185	
	Project Total			185			185	
X-160007	MCD - Online Class Registration							
	1800 - Equipment Acquisition Consolidated Fund				28		28	
	Project Total				28		28	

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2017-2021	
		2017	2018	2019	2020	2021		
X-210001	SWD - Vehicle Tracking & Performance Sys							
	1800 - Equipment Acquisition Consolidated Fund	1,058					1,058	
	Project Total	1,058					1,058	
X-250002	GSD - Real Estate Module							
	1800 - Equipment Acquisition Consolidated Fund				416		416	
	Project Total				416		416	
X-340010	HPL - RFID Sorter/Installation							
	1800 - Equipment Acquisition Consolidated Fund	384					384	
	Project Total	384					384	
X-340013	HPL - Self Service Public Scanning							
	1800 - Equipment Acquisition Consolidated Fund				313		313	
	Project Total				313		313	
X-340014	HPL - 24 Hour Library Units							
	1800 - Equipment Acquisition Consolidated Fund					417	417	
	Project Total					417	417	
X-510002	OBO - MWBE Automation							
	1800 - Equipment Acquisition Consolidated Fund				78		78	
	Project Total				78		78	
X-640017	FIN - SAP Budgeting Software							
	1800 - Equipment Acquisition Consolidated Fund	1,000					1,000	
	Project Total	1,000					1,000	
X-640018	FIN - Contract/Procurement Mgt System							
	1800 - Equipment Acquisition Consolidated Fund	500					500	
	Project Total	500					500	

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2017-2021	
		2017	2018	2019	2020	2021		
X-640019	FIN - SAP Combo WBS Profile							
	1800 - Equipment Acquisition Consolidated Fund				51			51
	Project Total				51			51
X-640020	FIN - SAP Monitor Sequential Purchases							
	1800 - Equipment Acquisition Consolidated Fund	48						48
	Project Total	48						48
X-640021	FIN - SAP Proj. Capitalization Workflow							
	1800 - Equipment Acquisition Consolidated Fund				106			106
	Project Total				106			106
X-640022	FIN - SAP Energy Billing Enhancement							
	1800 - Equipment Acquisition Consolidated Fund	48						48
	Project Total	48						48
X-640023	FIN - SAP Tracking Posted Budgets							
	1800 - Equipment Acquisition Consolidated Fund				53			53
	Project Total				53			53
X-650011	ARA - 311 Upgrade or Replacement							
	1800 - Equipment Acquisition Consolidated Fund					430		430
	Project Total					430		430
X-650012	ARA - Kronos Upgrade to Version 8							
	1800 - Equipment Acquisition Consolidated Fund	150						150
	Project Total	150						150
X-650013	ARA - Permit and Inspection Software							
	1800 - Equipment Acquisition Consolidated Fund				898			898
	Project Total				898			898

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2017-2021	
		2017	2018	2019	2020	2021		
X-680002	Server & Storage Upgrades							
	1800 - Equipment Acquisition Consolidated Fund	300	300	300	300	300	1,500	
	Project Total	300	300	300	300	300	1,500	
X-680003	Data Center Refresh							
	1800 - Equipment Acquisition Consolidated Fund					1,000	1,000	
	Project Total					1,000	1,000	
X-680007	INFOR - Enterprise Solution							
	1800 - Equipment Acquisition Consolidated Fund	1,700					1,700	
	Project Total	1,700					1,700	
X-680012	SAP Performance Testing Tools							
	1800 - Equipment Acquisition Consolidated Fund	100	100				200	
	Project Total	100	100				200	
X-680014	SAP Business Warehouse Implementation							
	1800 - Equipment Acquisition Consolidated Fund	325	200				525	
	Project Total	325	200				525	
X-680015	Network Refresh							
	1800 - Equipment Acquisition Consolidated Fund	2,500	988	2,693			6,181	
	Project Total	2,500	988	2,693			6,181	
X-680016	Sharepoint (Citypointe) Infrastructure							
	1800 - Equipment Acquisition Consolidated Fund	83					83	
	Project Total	83					83	
X-680017	SAP Training Tools							
	1800 - Equipment Acquisition Consolidated Fund		750	750			1,500	
	Project Total		750	750			1,500	

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2017-2021	
		2017	2018	2019	2020	2021		
X-680023	Network Security Tools							
	1800 - Equipment Acquisition Consolidated Fund	50	50	50	50			200
	Project Total	50	50	50	50			200
X-680024	Citizen Engagement Software							
	1800 - Equipment Acquisition Consolidated Fund	61			106			167
	Project Total	61			106			167
X-680026	SAP Tools Optimization							
	1800 - Equipment Acquisition Consolidated Fund			400				400
	Project Total			400				400
X-680027	Wireless Networking Project							
	1800 - Equipment Acquisition Consolidated Fund	75						75
	Project Total	75						75
X-680032	Network Equipment Spares							
	1800 - Equipment Acquisition Consolidated Fund	40	40	40	40	40		200
	Project Total	40	40	40	40	40		200
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
X-680037	EAS EGIS Infrastructure Refresh Phase II							
	1800 - Equipment Acquisition Consolidated Fund			268	268			536
	Project Total			268	268			536

**INFORMATION TECHNOLOGY IMPROVEMENTS - Summary of Funds
2017-2021 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

CIP No.	Project						2017-2021	
		2017	2018	2019	2020	2021		
X-680038	IT Help Desk Software Upgrades							
	1800 - Equipment Acquisition Consolidated Fund			107	107			214
	Project Total			107	107			214
X-680039	Legacy Application Redesign							
	1800 - Equipment Acquisition Consolidated Fund			300	120			420
	Project Total			300	120			420
X-680040	Master Data Management							
	1800 - Equipment Acquisition Consolidated Fund			259	259			518
	Project Total			259	259			518
X-680041	SAP Open Enrollment Server Storage							
	1800 - Equipment Acquisition Consolidated Fund			268	134			402
	Project Total			268	134			402
X-680042	SAP System to Monitor Interfaces							
	1800 - Equipment Acquisition Consolidated Fund				375	321		696
	Project Total				375	321		696
X-800003	HR - SAP Grievance Tracking & Filing							
	1800 - Equipment Acquisition Consolidated Fund			50				50
	Project Total			50				50
X-800007	HR - Benefits Interactive Platform							
	1800 - Equipment Acquisition Consolidated Fund	200						200
	Project Total	200						200
X-800009	HR - SAP Death Benefit Form Automation							
	1800 - Equipment Acquisition Consolidated Fund				75			75
	Project Total				75			75
Total Appropriations:		13,086	4,198	6,160	9,724	3,076		36,244

**INFORMATION TECHNOLOGY IMPROVEMENTS - Department Related Projects
2017 - 2021 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					2017 -2021
		2017	2018	2019	2020	2021	
Fleet							
W-68ADSP	HITS - Admin Support / Operations						
	1800 - Equipment Acquisition Consolidated Fund	46					46
	Project Total	46					46
Total Appropriations:		46	-	-	-	-	46