
INFORMATION TECHNOLOGY IMPROVEMENTS 2021-2025 CAPITAL IMPROVEMENT PLAN

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2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPD - Operational Systems Refresh		Project No.		X-100007	
Project Description					
Procure, install/configure hardware and/or software updates and/or upgrades required to meet operational needs and normal data storage growth requirements for the department.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Systems must be properly maintained to ensure optimal operation; storage capacity must keep pace with department's ever increasing demand for data storage or pruning/purging will be required.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	1,181	300		200		500	1,681	
Monitoring & Controlling								
Closing								
Total Allocation	1,181	300		200		500	1,681	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	1,181	300		200		500	1,681	
Total Funds	1,181	300		200		500	1,681	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPD - Video Growth/Storage Expansion		Project No.		X-100017	
Project Description					
Purchase, installation, and configuration of hardware and software to increase storage capacity for videos related to in-car cameras, interview rooms, and body cameras. Data storage and routine server updates are required to accommodate video operations and growth.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Video systems must be properly maintained to ensure optimal operation; storage capacity must keep pace with HPD's ever increasing demand for video storage.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	1,730				300	300	2,030	
Monitoring & Controlling								
Closing								
Total Allocation	1,730				300	300	2,030	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	1,730				300	300	2,030	
Total Funds	1,730				300	300	2,030	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPD - Command Center Video Wall		Project No.		X-100031	
Project Description					
Upgrades to the video wall system in the HPD Command Center to make the system a high definition system. Upgrades include converting the inputs from low definition to HDMI as well as increasing the number of feeds for displaying on the video wall.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	TECH-COMM
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The existing video wall in the Command Center displays only low-quality images and has limited capabilities.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		55					55	55
Monitoring & Controlling								
Closing								
Total Allocation		55					55	55
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		55					55	55
Total Funds		55					55	55

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPD - Crime Analysis Integrated System		Project No.		X-100035	
Project Description					
Replace the outdated system with an updated model with comprehensive advanced analytics that integrates automatically with the Tiburon RMS, the data warehouse of old crime reports, City ESRI GIS, local, state and federal database sharing systems, and facilitates joint use, input and analysis by regional agencies.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Crime Analysis system is currently outdated and is a standalone system. This system will be automatically updated with all applications as well as federal, local and state agencies.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	719	585				585	1,304	
Monitoring & Controlling								
Closing								
Total Allocation	719	585				585	1,304	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	719	585				585	1,304	
Total Funds	719	585				585	1,304	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPD - Data Center		Project No.		X-100046	
Project Description					
HPD plans to relocate its existing datacenter to a new space.		City Council District			
	Location	CITYWIDE	Address Descr 2:		
	Served:	CITYWIDE	Zip Codes:		
	Key Map:		Category:		
	Location Code:	UA-00	Sub-Category:		
Project Justification					
HPD will not renew the lease and move to a new location.		Units:	0		
	Start Year:	2020			
	RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	200	1,000				1,000	1,200	
Monitoring & Controlling								
Closing								
Total Allocation	200	1,000				1,000	1,200	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	200	1,000				1,000	1,200	
Total Funds	200	1,000				1,000	1,200	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPD - Mobile Technology Refresh		Project No.		X-100050		
Project Description						
Replace end-of-life devices.		City Council District				
		Location	CITYWIDE	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
		Location Code:	UA-00	Sub-Category:		
Project Justification						
HPD has ruggedized laptops in the police vehicles that will be exceeding 6 years old and need replacement to provide reliable equipment to officers in the field.		Units:	0			
		Start Year:	2020			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	489	1,100	600	825	1,000	3,525	4,014	
Monitoring & Controlling								
Closing								
Total Allocation	489	1,100	600	825	1,000	3,525	4,014	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	489	600	600	825	1,000	3,025	3,514	
Asset Forfeiture		500				500	500	
Total Funds	489	1,100	600	825	1,000	3,525	4,014	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPD - Body Cameras		Project No.		X-100052	
Project Description					
Purchase of body-worn cameras for patrol officers.		City Council District			
	Location	CITYWIDE	Address Descr 2:		
	Served:	CITYWIDE	Zip Codes:		
	Key Map:		Category:		
	Location Code:	UA-00	Sub-Category:		
Project Justification					
Body cameras contemporaneously record environment, conditions and activities of an event. Cameras will capture a video recording of critical incidents and encounters with the public, strengthen police accountability, and provide a valuable new type of evidence.		Units:	0		
	Start Year:	2020			
	RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	332				800		800	1,132
Monitoring & Controlling								
Closing								
Total Allocation	332				800		800	1,132
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	332				800		800	1,132
Total Funds	332				800		800	1,132

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPD - E-Citation Writers		Project No.		X-100054	
Project Description					
Replace the aging server infrastructure and provide the hardware and software to replace the current 350 handheld devices originally purchased. New application would allow expansion to write electronic tickets on the laptops in the cars.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Equipment maintenance has expired, and the current version is not supported. As units fail, they must be repaired at time and materials cost or replaced.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		1,300					1,300	1,300
Monitoring & Controlling								
Closing								
Total Allocation		1,300					1,300	1,300
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		1,300					1,300	1,300
Total Funds		1,300					1,300	1,300

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HFD - EAS Upgrade		Project No.		X-120007	
Project Description					
Replace Fire Station Alerting system with digital/network based alerting system. The new system would make the Fire Station SMART controlled by network components that interface the buildings lights, audio, paging, and alert modules with the city's Dispatch system at the HEC.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The Fire Department's Emergency Alerting System to Fire Stations is based on old analog technology and needs to be replaced with a digital/network based solution.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing				2,000	500		2,500	2,500
Monitoring & Controlling								
Closing								
Total Allocation				2,000	500		2,500	2,500
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund				2,000	500		2,500	2,500
Total Funds				2,000	500		2,500	2,500

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HFD - Mobile Data Computers		Project No.		X-120018	
Project Description					
Refresh Mobile Data Computers (MDCs) and required docking hardware.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Current MDC hardware is over 6 years old and needs to be replaced to maintain transmission of dispatch information to HFD apparatus.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	92	577				577	669	
Monitoring & Controlling								
Closing								
Total Allocation	92	577				577	669	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	92	577				577	669	
Total Funds	92	577				577	669	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HFD - Scheduling System Replacement		Project No.		X-120020	
Project Description					
The Houston Fire Department (HFD) currently uses a custom developed employee scheduling application called DC Staffing. The technology is outdated and requires replacement.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
HFD's legacy employee scheduling application needs to be replaced.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		528					528	528
Monitoring & Controlling								
Closing								
Total Allocation		528					528	528
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		528					528	528
Total Funds		528					528	528

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: MCD - CSMART Infrastructure Refresh		Project No.		X-160008	
Project Description					
CSMART will need to either move to the Cloud or refresh On-Premise. Moving to the cloud will remove the need to purchase server hardware and support inside a data center.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The current CSMART infrastructure will need to be refreshed due to vendor support EOL.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		240					240	240
Monitoring & Controlling								
Closing								
Total Allocation		240					240	240
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		240					240	240
Total Funds		240					240	240

Project: GSD - Work Order System		Project No.		X-250002	
Project Description					
Implement a work order system for the General Services Department.		City Council District			
Location		CITYWIDE	Address Descr 2:		
Served:		CITYWIDE	Zip Codes:		
Key Map:			Category:		
Location Code: UA-00			Sub-Category:		
Project Justification					
Current work system is dated, and the department needs additional functionality.		Units:	0		
		Start Year:			
RCC Total		\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		428				428	428	
Monitoring & Controlling								
Closing								
Total Allocation		428				428	428	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		428				428	428	
Total Funds		428				428	428	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPL - Radio Frequency ID Technology		Project No.		X-340010	
Project Description					
Provide library locations with Radio-frequency identification (RFID) equipment.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
RFID equipment will provide improvements to the customer experience when checking out and returning materials by speeding up both functions. The equipment will also increase the ability to inventory collections quickly and prevent thefts.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	703	417			100	517	1,220	
Monitoring & Controlling								
Closing								
Total Allocation	703	417			100	517	1,220	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	703	417			100	517	1,220	
Total Funds	703	417			100	517	1,220	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HPL - Public Facing Computers		Project No.		X-340014	
Project Description					
Replace aging Public Facing Personal Computers.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
HPL has approximately 2,000 public facing PCs and laptops that are in need of replacement. Many of these PCs are more than 5-7 years old and are in need of replacement.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	300			200	200	50	450	750
Monitoring & Controlling								
Closing								
Total Allocation	300			200	200	50	450	750
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	300			200	200	50	450	750
Total Funds	300			200	200	50	450	750

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HHD - Legacy Lab System Upgrade		Project No.		X-380006	
Project Description					
Replacement and upgrading of testing instruments to allow machines to be networked. With upgrades to key lab instruments and software, begin developing interfaces that will allow a seamless bidirectional flow of information with key systems.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Our laboratory is the reference lab for Southeast Texas, and contains technology that is end of life.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		150	50				200	200
Monitoring & Controlling								
Closing								
Total Allocation		150	50				200	200
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		150	50				200	200
Total Funds		150	50				200	200

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: FIN - SAP CIP Enhancements		Project No.		X-640001	
Project Description					
Improvements to technology systems use in the preparation of the Capital Improvement Plan.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Provide enhancements to Capital Improvement Plan reporting, accounting, submissions and process enhancements.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	181			25			25	206
Monitoring & Controlling								
Closing								
Total Allocation	181			25			25	206
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	51			25			25	76
Total Funds	181			25			25	206

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: FIN - Budgeting Software		Project No.		X-640017	
Project Description					
New budget software to allow more linkage to other SAP modules as well as automation to increase efficiency and accuracy.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Current system still requires manual adjustments and Excel spreadsheet analysis to calculate financial projections.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		500	1,625				2,125	2,125
Monitoring & Controlling								
Closing								
Total Allocation		500	1,625				2,125	2,125
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		500	1,625				2,125	2,125
Total Funds		500	1,625				2,125	2,125

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: FIN - Contract/Procurement Mgt System		Project No.		X-640018	
Project Description					
The proposed solution is to implement a Procurement and Contract Management System to help minimize repetitive work, help staff manage workload and priorities, and provide essential capabilities to support the procurement, contracting, and contract administration processes.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The current process is generally manually performed. This 90% of the process consists of the collaborative effort with end users and Legal associated with scope development, document development, scheduling, and other activities that comprise the contract formation stage.		Units:	0		
		Start Year:	2017		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	625	2,761				2,761	3,386	
Monitoring & Controlling								
Closing								
Total Allocation	625	2,761				2,761	3,386	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	625	2,761				2,761	3,386	
Total Funds	625	2,761				2,761	3,386	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: FIN - Enterprise Asset Management		Project No.		X-640026	
Project Description					
Update the city's asset management tracking and reporting system to track new assets, identify assets reaching end of life, asset information, and maintenance costs.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Will provide quantifiable data that can be used during the capital/budgeting planning process. The system will be used to forecast replacement costs (capital and operational) for CIP/Budget planning.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		500				500	500	
Monitoring & Controlling								
Closing								
Total Allocation		500				500	500	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		500				500	500	
Total Funds		500				500	500	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: ARA - Enterprise 311 Replacement		Project No.		X-650011	
Project Description					
Replace the current 311 system. Replacing will also provide better reporting and analysis of service calls between departments and to City administration.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The current version of 311 is aging and there is only minimal vendor support. Unable to make modification to the system to better support the 311 system.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	712	1,035				1,035	1,747	
Monitoring & Controlling								
Closing								
Total Allocation	712	1,035				1,035	1,747	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	712	1,035				1,035	1,747	
Total Funds	712	1,035				1,035	1,747	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: ARA - Enterprise Records Mgt Syst.		Project No.		X-650014		
Project Description						
Deploy an all-inclusive robust automated records and information database system. Have uniformity throughout COH's official records process.		City Council District				
		Location	CITYWIDE	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
		Location Code:	UA-00	Sub-Category:		
Project Justification						
The in-house solution currently being used, which is limited to tracking records boxed for archiving or destruction, is 11 years old and is difficult to support.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing			150				150	
Monitoring & Controlling								
Closing								
Total Allocation			150				150	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund			150				150	
Total Funds			150				150	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Data Center Refresh		Project No.		X-680003	
Project Description					
This project will ensure adequate technology infrastructure is in place to support and provide service to all departments supported by the Data Center. Examples of infrastructure includes large core network devices, server systems, racks, security devices and power infrastructure.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Hardware/Software will eventually be end of life and require a refresh in order to remain manageable and supportable. Growth can also be covered through this initiative to support new systems.		Units:	0		
		Start Year:	2019		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	2,855	1,776	1,000	1,000		3,776	6,631	
Monitoring & Controlling								
Closing								
Total Allocation	2,855	1,776	1,000	1,000		3,776	6,631	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	2,855	1,776	1,000	1,000		3,776	6,631	
Total Funds	2,855	1,776	1,000	1,000		3,776	6,631	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Network Refresh		Project No.		X-680015	
Project Description					
HITS will deploy new switches to replace the oldest network switches in the environment to move towards a maintainable 7-year refresh cycle for network equipment. Include CJIS Remediation of HPD network.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Address the aging network infrastructure. Maintain or increase network performance and security updates that can be hampered because of out of date software/hardware.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	8,792		2,517		1,000	500	4,017	12,809
Monitoring & Controlling								
Closing								
Total Allocation	8,792		2,517		1,000	500	4,017	12,809
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	8,792		2,517		1,000	500	4,017	12,809
Total Funds	8,792		2,517		1,000	500	4,017	12,809

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Server/Storage Refresh		Project No.		X-680022	
Project Description					
Allow for the replacement of servers and server related hardware.		City Council District			
	Location	CITYWIDE	Address Descr 2:		
	Served:	CITYWIDE	Zip Codes:		
	Key Map:		Category:		
	Location Code:	UA-00	Sub-Category:		
Project Justification					
Replace aging infrastructure as it becomes end of life or fails and provide additional storage or capacity for new projects.		Units:	0		
	Start Year:	2020			
	RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	2,482					750	750	3,232
Monitoring & Controlling								
Closing								
Total Allocation	2,482					750	750	3,232
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	2,482					750	750	3,232
Total Funds	2,482					750	750	3,232

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Citywide PC Replacement		Project No.		X-680030	
Project Description					
Replace PCs that have reached their useful life.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Refreshing PCs is necessary in order to comply with security policy and procedure and to ensure that applications that employees need access to can be used without issue.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	2,919	1,000	1,000	1,055	2,000	1,000	6,055	8,974
Monitoring & Controlling								
Closing								
Total Allocation	2,919	1,000	1,000	1,055	2,000	1,000	6,055	8,974
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	2,919	1,000	1,000	1,055	2,000	1,000	6,055	8,974
Total Funds	2,919	1,000	1,000	1,055	2,000	1,000	6,055	8,974

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Network Equipment Spares		Project No.		X-680032	
Project Description					
Provide network equipment spares (switches).		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
There is currently a lack of on-hand equipment for unscheduled network events/failures.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	70	40					40	110
Monitoring & Controlling								
Closing								
Total Allocation	70	40					40	110
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	70	40					40	110
Total Funds	70	40					40	110

Project: HITS - IT Help Desk Software Upgrades		Project No.		X-680038	
Project Description					
Add the Project Module, Governance Risk and Compliance Modules and Asset Management modules to ServiceNow (current Help Desk Software application).		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
ServiceNow can provide an enormous depth of functionality that is not currently available within any existing toolset offered within the City's application portfolio.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	107	107				107	214	
Monitoring & Controlling								
Closing								
Total Allocation	107	107				107	214	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	107	107				107	214	
Total Funds	107	107				107	214	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Master Data Management		Project No.		X-680040		
Project Description						
There is a need for the city to develop enterprise data governance and master data. This is to establish a Master Data Management (MDM) strategy and roadmap; and design and implement MDM in Enterprise Data Warehouse platform that will work with all enterprise applications in the city to create a single version of truth about data.		City Council District				
		Location	CITYWIDE	Address Descr 2:		
		Served:	CITYWIDE	Zip Codes:		
		Key Map:		Category:		
		Location Code:	UA-00	Sub-Category:		
Project Justification						
Lack of master data in city applications causes fragmented information which impairs precise decision making in analytics. There are no common identifiers for many dimensional data across the city. The objective is to streamline and create single version of that data so that the data can be used consistently citywide.		Units:	0			
		Start Year:	2020			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations	2021-2025					2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	259	259					259	518
Monitoring & Controlling								
Closing								
Total Allocation	259	259					259	518
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	259	259					259	518
Total Funds	259	259					259	518

Project: HITS - SAP System to Monitor Interfaces		Project No.		X-680042	
Project Description					
Install a batch and interface monitoring system. This system will encrypt and transfer files as well as generate alerts when interfaces or applications fail.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Each day we have to manually run interfaces that fail. The implementation of this system will reduce this overhead. The system will help the City keep up with the latest requirements of encryption as well as file transfer protocol.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	375	321				321	696	
Monitoring & Controlling								
Closing								
Total Allocation	375	321				321	696	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	375	321				321	696	
Total Funds	375	321				321	696	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Managed Contract Services		Project No.		X-680044	
Project Description					
Source highly skilled hard to hire resources that will help to ensure that systems are configured with a high availability approach (both physical and virtual).		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Provide adequate support of resources to actively support and implement technologies for the City of Houston HITS departments.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	849		350				350	1,199
Monitoring & Controlling								
Closing								
Total Allocation	849		350				350	1,199
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	849		350				350	1,199
Total Funds	849		350				350	1,199

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Public Safety Radio Replacement		Project No.		X-680058	
Project Description					
Purchase the necessary radio equipment to ensure Police, Fire and EMS departments are equipped with the necessary equipment to ensure public safety.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The life cycle of the radios are seven years and will need to be replaced as they reach end of life.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing					500	500	1,000	1,000
Monitoring & Controlling								
Closing								
Total Allocation					500	500	1,000	1,000
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund					500	500	1,000	1,000
Total Funds					500	500	1,000	1,000

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Public Safety CAD Replacement		Project No.		X-680060	
Project Description					
The scope of the project is to implement latest technologies for Computer Aided Dispatch. The system will also provide features for Management Information System (MIS), Geographical Information System (GIS) and other platforms.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The CAD system is over 13 years old and has limited functionalities. The City's public safety departments are in need of a more advanced system to efficiently respond to police, fire and medical calls for services.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		1,000					1,000	1,000
Monitoring & Controlling								
Closing								
Total Allocation		1,000					1,000	1,000
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		1,000					1,000	1,000
Total Funds		1,000					1,000	1,000

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - SAP S4 HANA		Project No.		X-680062	
Project Description					
Transition to a newer version of SAP, S4 Hana.		City Council District			
	Location	CITYWIDE	Address Descr 2:		
	Served:	CITYWIDE	Zip Codes:		
	Key Map:		Category:		
	Location Code:	UA-00	Sub-Category:		
Project Justification					
SAP will begin phasing away from supporting the current version. Hana is a new technology architecture to support the SAP business applications.		Units:	0		
	Start Year:	2020			
	RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	625		1,750	1,750			3,500	4,125
Monitoring & Controlling								
Closing								
Total Allocation	625		1,750	1,750			3,500	4,125
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	625		1,750	1,750			3,500	4,125
Total Funds	625		1,750	1,750			3,500	4,125

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - SAP HR-One HCM		Project No.		X-680072	
Project Description					
Implement SAP Human Capital Management (HCM). HR capabilities are enterprise-wide, and departments benefit from improved user experience when using features of the product. HCM includes improved user interface for ESS/MSS, improved Open Enrollment experience, and improved portal to view paystubs.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Upgrade current SAP HR module to newer version. Siloed data and disparate systems create some of the biggest challenges for HR.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		1,500	1,900				3,400	
Monitoring & Controlling								
Closing								
Total Allocation		1,500	1,900				3,400	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		1,500	1,900				3,400	
Total Funds		1,500	1,900				3,400	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - SAP Identity and Access Mgt		Project No.		X-680074	
Project Description					
Implement SAP identity management (IDM) and Governance, Risk, and Compliance (GRC) to enable security through synchronized roles and with two factor authentication.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
SAP (IDM) provides centralized provisioning for ERP security (user/role) from hire to retire. GRC reduces risk, increases regulatory compliance, and decreases impact of user account hacking.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing					1,055		1,055	1,055
Monitoring & Controlling								
Closing								
Total Allocation					1,055		1,055	1,055
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund					1,055		1,055	1,055
Total Funds					1,055		1,055	1,055

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Enterprise Radio Infrastructure		Project No.		X-687001	
Project Description					
The City's radio network directly supports public safety radio calls and 911 calls. End of life equipment will be removed and replaced with the currently supported models.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The system has components that have reached their end of life or are no longer supported.		Units:	0		
		Start Year:	2009		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	50	900	900				1,800	1,850
Monitoring & Controlling								
Closing								
Total Allocation	50	900	900				1,800	1,850
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	50	900	900				1,800	1,850
Total Funds	50	900	900				1,800	1,850

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: HITS - Firewall Replacement		Project No.		X-68C001	
Project Description					
Replace firewalls that are either at or approaching end of life.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Failure to replace firewalls negatively impacts the ability to maintain/enhance the confidentiality, integrity and availability of city systems, data and information.		Units:	0		
		Start Year:	2020		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing	611	310		700			1,010	
Monitoring & Controlling								
Closing								
Total Allocation	611	310		700			1,010	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund	611	310		700			1,010	
Total Funds	611	310		700			1,010	

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: LGL - Case Mgt System Replacement		Project No.		X-900001	
Project Description					
Obtain and implement a legal industry standard case management system.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The Legal Department's current case management system is outmoded and not compatible with the workflow of the Legal Department.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing		325					325	325
Monitoring & Controlling								
Closing								
Total Allocation		325					325	325
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		325					325	325
Total Funds		325					325	325

2021-2025 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - INFORMATION TECHNOLOGY IMPROVEMENTS

Project: LGL - E-Discovery System		Project No.		X-900004	
Project Description					
Software that will enable the Legal Department to review and produce documents faster and more efficiently in all cases and particularly high volume document cases.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Currently, the Legal Department has an eDiscovery application that does not meet the needs of the department. The current application is unable to process large amounts of data and does not adequately keep track of documents or work that has been completed.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2021-2025	Project Total
		2021	2022	2023	2024	2025		
Initiating								
Planning								
Executing			400				400	
Monitoring & Controlling								
Closing								
Total Allocation			400				400	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund			400				400	
Total Funds			400				400	