CAPITAL IMPROVEMENT PLAN SUMMARY

The information below reflects last year's FY2020 - FY2024 Adopted CIP. As of May 2020, the CIP for FY2021 - FY2025 is still being developed. This section will be updated with the Adopted FY2021 - FY2025 CIP in the Fiscal Year 2021 Adopted Budget Book.

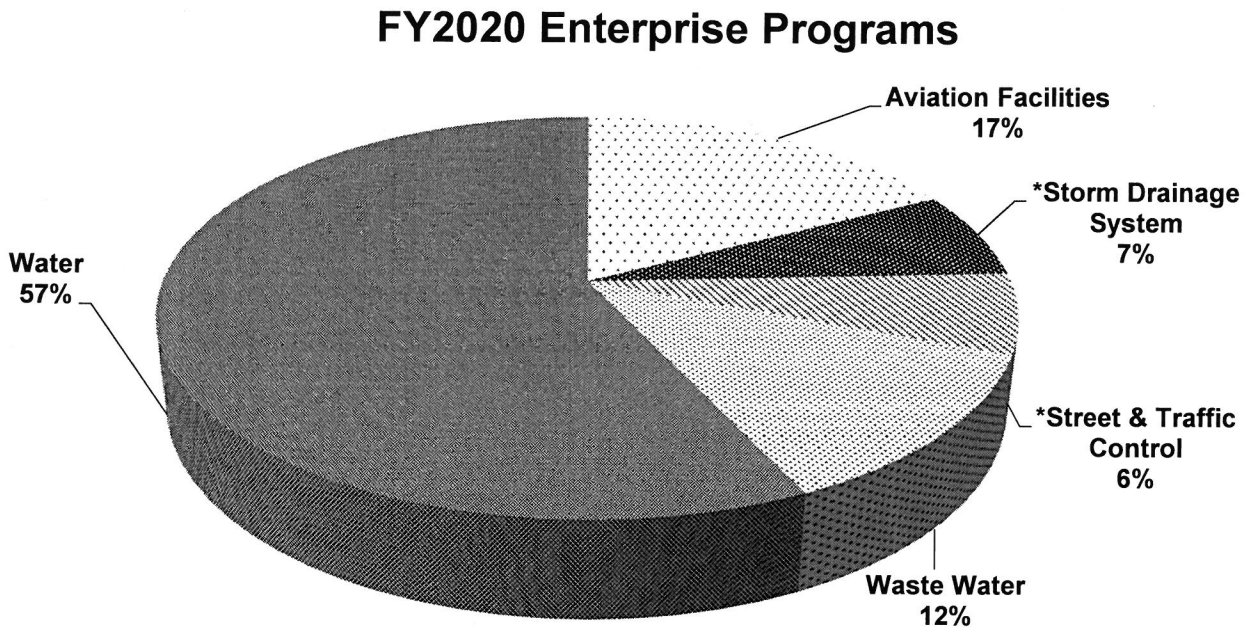
In November 1983, the City Council established a five-year capital improvement planning process for physical improvements to public facilities and infrastructure. By resolution, it became City policy to engage in a continuous five-year capital improvement planning process that includes annual review, revision, and adoption of a five-year Capital Improvement Plan (CIP). The five-year CIP is revised annually to include new projects, reflect changes in priorities, and extend the plan an additional year. The first year of the plan is the current CIP and it is revised throughout the year as needs dictate or when changes are made to existing approved capital projects.

The CIP provides a schedule for appropriation of capital projects. Details on capital projects for public improvement programs include allocations toward Fire, General Government, Homeless & Housing, Library, Parks, Police, Health, and Solid Waste Management projects. Enterprise capital programs include Airport, Storm Drainage System, Street & Traffic Control, Wastewater, and Water projects. Programs implemented citywide include Information Technology and Fleet projects. The City of Houston Fiscal Year 2020 – 2024 Adopted Capital Improvement Plan is available online at http://www.houstontx.gov/cip/20cipadopt/.

FY2020 - FY2024 Adopted CIP ($ Thousands)						
	2020	2021	2022	2023	2024	Total 2020-2024
Public Improvement Programs						
Bayou Greenways	59,503	-	-	-	-	59,503
Fire	6,678	22,141	5,466	6,225	10,697	51,207
General Government	35,040	18,781	20,924	16,633	4,598	95,976
Health	25,598	12,908	5,200	9,934	14,532	68,172
Homeless & Housing	880	880	880	880	880	4,400
Library	16,753	7,081	1,581	830	2,775	29,020
Parks and Recreation	24,298	8,583	20,395	16,743	30,051	100,071
Police	17,403	45,560	6,479	7,570	5,495	82,507
Solid Waste Management	10,788	2,177	1,456	1,609	1,136	17,165
Subtotal	**196,939**	**118,111**	**62,382**	**60,425**	**70,164**	**508,021**
Enterprise Programs						
Aviation Facilities	448,248	1,031,857	457,663	36,237	87,162	2,061,167
Storm Drainage System	180,301	136,721	143,702	141,577	63,281	665,582
Street & Traffic Control	168,598	157,165	145,097	105,487	68,052	644,399
Wastewater	318,975	273,517	193,603	211,372	176,706	1,174,173
Water	1,481,890	472,503	652,765	185,407	183,210	2,975,774
Subtotal	**2,598,012**	**2,071,764**	**1,592,830**	**680,081**	**578,411**	**7,521,096**
Citywide Programs						
Technology	18,497	7,706	7,825	8,530	6,300	48,858
Fleet	54,966	33,547	35,948	36,258	36,932	197,652
Subtotal	**73,463**	**41,253**	**43,773**	**44,788**	**43,232**	**246,510**
City Programs Total	**2,868,414**	**2,231,128**	**1,698,985**	**785,294**	**691,807**	**8,275,627**
Component Units	**395,842**	**305,169**	**172,072**	**222,547**	**24,861**	**1,120,491**
Overlap Between Component Units and Public Improvement Programs	(70,269)	(16,443)	(1,000)	(2,300)	-	(90,012)
Grand Total	**3,193,987**	**2,519,854**	**1,870,057**	**1,005,541**	**716,668**	**9,306,106**

Enterprise Programs

The Adopted Capital Improvement Plan calls for the appropriation of $3.2 billion in FY2020. Of the total appropriations planned for the current plan year, $2.6 billion are from Enterprise Programs. Enterprise programs include projects that are primarily funded from user-fee supported funds, which address a full range of capital facility and infrastructure improvements and distributed among the five programs as illustrated in the chart below. Of all enterprise funding the largest program, with 57% of the enterprise allocation, is Water Utility Systems. These improvements are funded from various sources including the Water Authorities Capital Contribution Fund for North and South East Transmission Lines as well as the Water and Sewer System Consolidated Construction Fund.



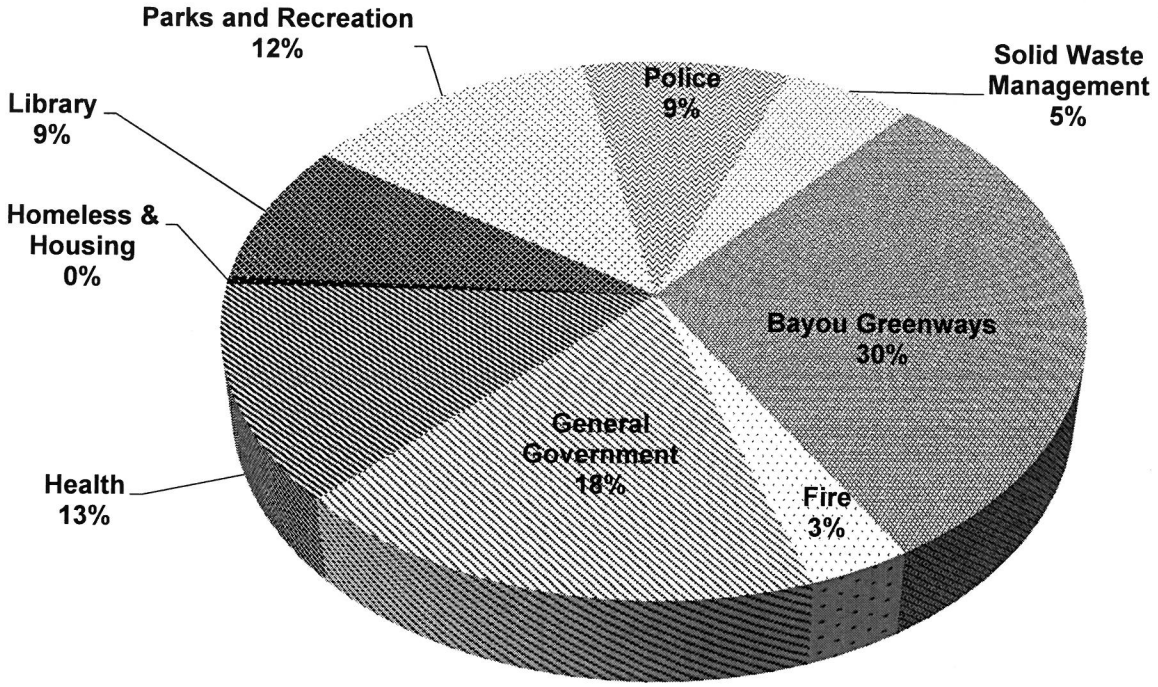
** The Dedicated Drainage and Street Renewal Funds for Street & Traffic Control, Storm Drainage and METRO Projects Construction are not technically enterprise funds, but are grouped with Enterprise Programs for clarity.*

Public Improvement Programs

The citizens of Houston approved a Bond Election for $625 million in November 2006, $410 million in November 2012 and $495 million in November 2017. Public improvement projects include vertical and horizontal construction projects for general public use, services, and safety. Significant projects are the continued construction, rehabilitation and renovation of the library system; continued implementation of the "Parks Master Plan" program; public safety facilities; replacement, rehabilitation and construction of fire stations; and replacement or upgrading of solid waste facilities. However, the focus of the Fiscal Year 2020-2024 Adopted Capital Improvement Plan is Hurricane Harvey Recovery.

Of the $197 million in the public improvement programs, $60 million is allocated to the Bayou Greenways initiative utilizing 30% of the total planned appropriations for FY2020. It is followed by General Government with $35 million at 18% of the total. Both programs are funded with both non-debt and debt funding sources. In FY2020, 28% of Bayou Greenways funding is from general obligation bonds (GO Bonds) and 72% is covered by the Houston Parks Board (HPB). Of FY2020 General Government funding sources, 67% are from GO Bonds with 33% being funded by a combination of grants and private funds.

FY2020 Public Improvement Programs

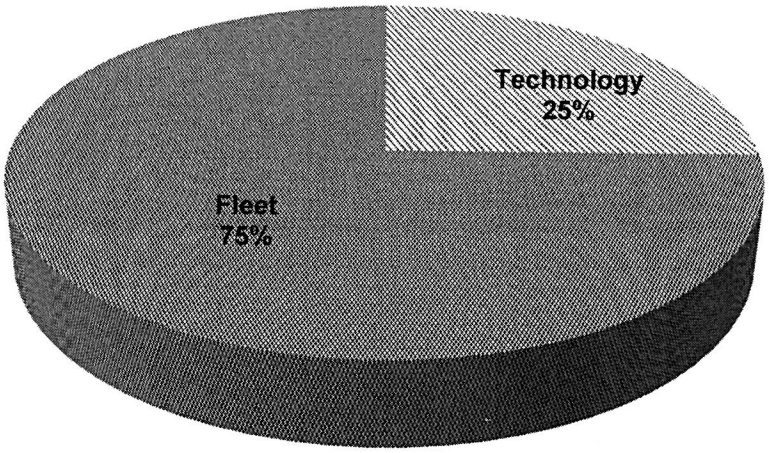


Note: Figures may not add to 100% due to rounding.

Citywide Programs

The Citywide programs include projects that may impact the Houston area citywide or departmental operations. The Citywide programs for FY2020 total about $73 million. Fleet Management constitutes 75% of the funding allocation with $55 million. Technology projects make up the remainder with a $18.5 million allocation. The Fleet and Technology programs provide improvements and equipment necessary for City services and business processes. Fleet will use funding to purchase new vehicles for departments citywide.

FY2020 Citywide Programs



Non-Debt Funding Sources

Funding sources which support the CIP include but are not limited to bond proceeds and commercial paper, Metropolitan Transit Authority funds, Harris County funds, Houston Parks Board funds, Federal Aviation Administration funds, Airport Improvement funds, Texas Department of Transportation funds, and Enterprise system user fees. Both Public Improvement and Citywide programs use non-debt funding sources to supplement department needs.

Presented below is a summary of the planned appropriations for FY2020 - FY2024 with the percentage of non-debt funding sources used by each program:

General Obligation Bond Summary Fiscal Year Planned Appropriations ($ Thousands)		
	FY2020-FY2024	**Leverage of Non-Debt Funding Sources**
Public Improvement Programs		
Bayou Greenways	16,882	72%
Fire	51,207	0%
General Government	67,264	30%
Health	68,172	0%
Homeless & Housing	4,400	0%
Library	29,020	0%
Parks and Recreation	73,922	26%
Police	71,707	13%
Solid Waste Management	17,165	0%
Subtotal	**399,740**	**21%**
Citywide Programs		
Technology	45,323	7%
Fleet	154,808	22%
Subtotal	**200,131**	**19%**

Impact to Operating Budget

Capital improvement costs in the CIP are classified into two categories: direct project costs and associated increases to annual operational costs. Examples of direct project costs include purchases of land or facilities, design and construction of new facilities or renovation of existing facilities, and initial equipment purchases for new or renovated facilities. Operating costs include staffing, maintenance or service (including electrical) costs related to new, renovated or expanded facilities. The impacts of operating costs on capital projects are monitored closely for inclusion in the annual operating budget.

Presented below is a summary of the projected General, Aviation and Houston Public Works operational costs associated with the Adopted FY2020 - FY2024 CIP:

Fiscal Year Planned Operational Cost ($Thousands)						
	2020	2021	2022	2023	2024	Total 2020 - 2024
Equipment	-	-	-	-	-	-
Other	2,390	2,390	2,390	23,386	65,958	96,514
Personnel	585	595	600	825	825	3,430
Services	795	1,207	1,519	2,964	3,087	9,571
Supplies	-	4	5	195	201	405
Subtotal	**3,770**	**4,196**	**4,514**	**27,370**	**70,070**	**109,920**
Revenue	148	-	-	20,996	63,568	84,712
Savings	341	350	175	179	183	1,227
***Subtotal**	**490**	**350**	**175**	**21,175**	**63,751**	**85,940**
Grand total	**3,280**	**3,846**	**4,339**	**6,195**	**6,320**	**23,980**
Source of Funds						
Aviation	-	440	665	1,963	2,020	5,088
General Fund	3,068	3,398	3,428	3,928	3,928	17,750
Houston Public Works	213	8	246	304	371	1,143
Total funds	**3,280**	**3,846**	**4,339**	**6,195**	**6,320**	**23,980**

***Revenue and savings are shown as offsets to planned operational costs.**

Of the $3.8 million of projected operational costs for FY2020, 15.5% will cover new staffing previously not needed for the issuance of city services with 78% of personnel being related to the Houston Police Departments' Body Cameras project. Additional revenues of $148,000 are expected to be generated from the Parking Pay Station Replacement project.

Presented below is the project listing of the operational impacts planned for FY2020. A complete list is available within the City of Houston Fiscal Year 2020 - 2024 Adopted Capital Improvement Plan and online at http://www.houstontx.gov/cip/20cipadopt/.

OPERATIONAL IMPACT 2020-2024 CAPITAL IMPROVEMENT PLAN ($ Thousands)					
CIP No.	Project	Operational Costs	Revenue	Savings	Net Impact
D-000226	Facility Condition Reassessments	93	-	-	93
D-200001	HPW– HPC Land Purchase/Garage	-		(291)	(291)
D-650005	ARA - Parking Pay Station Replacement	-	(148)	(50)	(198)
F-000849	Restroom Building Upgrades	37	-	-	37
F-000853	Brock Adventure Park (BAP)	100	-	-	100
H-000091	Sunnyside MSC/HC	85	-	-	85
S-000956	Automated Metering System	504	-	-	504
X-100014	HPD - Smartphone App Internal	25	-	-	25
X-100052	HPD - Body Cameras	533	-	-	533
X-250002	GSD - Real Estate Module	15	-	-	15
X-650011	ARA - 311 Upgrade or Replacement	275	-	-	275
X-680015	Network Refresh	64	-	-	64
X-680038	IT Help Desk Software Upgrades	100	-	-	100
X-680042	SAP System to Monitor Interfaces	129	-	-	129
X-680044	Managed Contract Services	1,810	-	-	1,810
	*** Total**	**3,770**	**(148)**	**(341)**	**3,280**

***Revenues and savings are shown as offsets to planned operational costs.**

Anticipated Appropriations

The following table outlines anticipated appropriations within the Capital Improvement Plan for FY2020 for Public Improvement, Enterprise, and Citywide programs over $10 million. These projects include all funding sources available to the City of Houston, including partnerships with other governments and private entities. Planned appropriations are correlated to spending. However, due to the nature and length of construction timelines, spending can span multiple fiscal years.

Projects Over $10 Million		
CIP No.	**Project Name**	**FY2020 Planned Appropriations ($ Thousands)**
S-000065	NE Water Purification Plant Expansion	997,795
S-000900	Surface Water Transmission Program	308,583
A-000581	Terminal A Modernization Program	208,924
R-000536	Wastewater Treatment Plant Consolidation	79,901
A-000622	Reworking Constr Taxiway WA/WB	54,854
N-321040	Citywide Street & Traffic Rehabilitation	43,350
S-000956	Automatic Meter Reading Program	40,483
R-000267	Lift Station Renewal & Replacement	34,576
T-101300	Northpark Drive Overpass Project	32,801
R-000035	Wastewater Force Main Renewal	32,199
A-000800	Executive Program Manager Services-ITRP	31,357
R-000265	Wastewater Treatment Plant Improvements	31,315
S-000056	East Water Purification Plant	30,609
A-000494	APM Guide Way Structural Enhancements	29,000
T-173500	Detention Basin A	28,000
R-000500	WW Improvements under M/N	26,246
R-000266	Neighborhood Sewer Rehab Program	26,000
R-002011	Neighborhood Sewer Systems Improvements	25,677
M-420HUD	CDBG Disaster Recovery Program	24,409
H-000091	Sunnyside MSC/HC	22,794
R-000509	69th Street Wastewater Treatment Plant	22,376
M-410017	Garden Oaks and Shepherd Park (West)	22,147
N-000590	Holmes Road Paving & Drainage	21,214
M-410009	Briarmeadow Subdivision Area	19,910
M-410039	Cottage Grove East Area	18,354
M-430006	Storm Water Action Team (SWAT)	17,500
N-100029	Kirkwood Paving and Drainage	16,103
T-032500	Bagby Street Improvements	16,000
N-000751	West Alabama Paving & Drainage	15,612
D-HARVEY	GG HARVEY Restoration Projects	15,604
A-000625	IAH Fleet Maintenance Building	15,486
E-000262	New Westbury Library	14,357
A-000527	Non-Standard FAA Taxiways at HOU	13,930
S-000500	Water Improvements under M/N	13,668
S-000012	Southeast Water Purification Plant	13,520
S-000701	Lg Diameter Water Line Rehab	13,099
N-100003	Shepherd and Durham Paving & Drainage	12,914
N-210004	Cloverland Area	12,695
M-430296	Regional Stormwater Detention	12,355
N-210001	Houston Heights, John Brasher, Memorial	12,312
M-410001	Woodshire Area Drainage and Paving	12,201
R-000298	Almeda Sims Wastewater Treatment Plant	12,126

Projects Over $10 Million		
CIP No.	**Project Name**	**FY2020 Planned Appropriations ($ Thousands)**
T-072400	Live Oak St. Improvement Project	12,023
M-420126	Local Drainage Program (LDP)	11,580
D-200001	HPW– HPC Land Purchase/Garage	11,512
S-001000	Pump Station Program	11,495
A-000636	Parking Revenue Control System - HAS	11,405
A-000590	Rehabilitate and Expand ARFF Station-HAS	10,403
M-410036	Spring Shadows Area	10,400
N-320610	Safe Sidewalk Program	10,311
W-28ADSP	HAS - Admin Support / Operations	10,129