
SOLID WASTE FACILITIES 2018-2022 CAPITAL IMPROVEMENT PLAN

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2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Remediation and Tank Replacement-NW SC N 1245 JUDIWAY		Project No.		L-000029	
Project Description					
Replacement of fuel tanks helps mitigate the risk of fuel leakage and to meet TCEQ requirements prior to the site reaching the 30 year life expectancy. This fuel tank was installed in 1994.		City Council District			
		Location	C	Address Descr 2:	
		Served:	C	Zip Codes:	77018
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The replacement of fuel sites will help the City avoid unforeseen costs resulting from leaks and equipment failure.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design			51				51	
Construction			509				509	
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation			560				560	
Source of Funds								
4503 - Solid Waste Consolidated Construction Fd			560				560	
Total Funds			560				560	

2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Environmental Services CITYWIDE		Project No.		L-000052	
Project Description					
Provide on-call environmental related services to support departmental missions and objectives. Services include abatement/remediation of asbestos, lead, indoor air, contaminated soil and groundwater, underground storage tank removal and replacement, and demolitions.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Department is required to comply with environmental permits in order to continue to operate and maintain mission objectives.		Units:	0		
		Start Year:	2016		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design	50							50
Construction	2,094	100	100	267	267	167	901	2,995
Equipment Acquisition	8							8
Salary Recovery								0
Other								0
Total Allocation	2,152	100	100	267	267	167	901	3,053
Source of Funds								
4503 - Solid Waste Consolidated Construction Fd	2,152	100	100				200	2,352
Future Bond Election				267	267	167	701	701
Total Funds	2,152	100	100	267	267	167	901	3,053

2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: New Multi-Use SWD Facility 5614 NECHES STREET		Project No.		L-000078	
Project Description					
The facility will provide a convenient location and outlet for residents to dispose of material rather than illegally dumping it. Increased waste diversion and reduction in material being landfilled will be accomplished by acceptance of recyclable material.		City Council District			
		Location	H	Address Descr 2:	
		Served:	VARIOUS	Zip Codes:	77026
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Illegal dumping is an ongoing problem that increases operational costs and contributes to neighborhood blight and lower property values. There is a need to increase waste diversion to lower ever-increasing landfill costs. There is a lack of community outreach and involvement to meet departmental objectives.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design		811				811	811	
Construction			9,000			9,000	9,000	
Equipment Acquisition								
Salary Recovery							0	
Other		15	158			173	173	
Total Allocation		826	9,158			9,984	9,984	
Source of Funds								
Future Bond Election		826	9,158			9,984	9,984	
Total Funds		826	9,158			9,984	9,984	

2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: 11500 South Post Oak Fuel Site 11500 SOUTH POST OAK		Project No.		L-000080	
Project Description					
Replacement of fuel tanks to mitigate the risk of fuel leakage and to meet TCEQ requirements prior to the site reaching the 30 year life expectancy. This fuel tank was installed in 1989.		City Council District			
		Location	K	Address Descr 2:	
		Served:	K	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
The replacement of fuel sites will help the City avoid unforeseen costs resulting from leaks and equipment failure.		Units:	0		
		Start Year:	2016		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design	50	15				15	65	
Construction		1,854				1,854	1,854	
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	50	1,869				1,869	1,919	
Source of Funds								
4503 - Solid Waste Consolidated Construction Fd	50	1,869				1,869	1,919	
Total Funds	50	1,869				1,869	1,919	

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CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Bioremediation Equipment SWD SERVICE CENTERS	Project No.		L-000099	
Project Description				
Purchase four dewatering containers and portable pumps and hoses. This equipment will allow the department to minimize the cost associated with maintaining the oil water separators. The department will be able to dewater and separate sediments from oil water separator content to reduce the sedimentation level at regular intervals.	City Council District			
	Location	VARIOUS	Address Descr 2:	
	Served:	VARIOUS	Zip Codes:	
	Key Map:		Category:	
	Location Code: UA-00		Sub-Category:	
Project Justification				
Existing oil water separators, according to the manufacturer's lab report, do not process storm water runoff when the accumulated sedimentation level is above one foot. There are 10 oil water separators and each have regularly exceeded the one foot sedimentation level.	Units:	0		
	Start Year:			
	RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition		100				100	100	
Salary Recovery								
Other								
Total Allocation		100				100	100	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		100				100	100	
Total Funds		100				100	100	

2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Holmes Road Incinerator Remediation 3100 BELFORT		Project No.		L-000100	
Project Description					
GSD Environmental Division has received approval from TCEQ to participate in a Voluntary Clean Up Program in order to avoid fines and penalties. The site will be remediated in accordance with TCEQ guidelines.		City Council District			
		Location	D	Address Descr 2:	
		Served:	D	Zip Codes:	77051
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Former incinerator site at Holmes Road requires cleanup. The property contains various contaminants such as PCBs, arsenic and lead which needs to be remediated and the site closed per TCEQ review, guidelines and direction.		Units:	0		
		Start Year:	2016		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design	110						110	
Construction	40	1,300				1,300	1,340	
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation	150	1,300				1,300	1,450	
Source of Funds								
4503 - Solid Waste Consolidated Construction Fd	150	1,300				1,300	1,450	
Total Funds	150	1,300				1,300	1,450	

2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Concrete & Pavement Repairs CITYWIDE -NE/SW/NW/SE SWMD SVC CENTERS		Project No.		L-000086	
Project Description					
Repair failing concrete pavement and maintain concrete joints to ensure continuous functions. Given the heavy vehicles at the service centers and depositories, this provides preventative maintenance of the driveways.		City Council District			
		Location	VARIOUS	Address Descr 2:	
		Served:	VARIOUS	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Failure to maintain concrete pavements prevents the department from meeting its mission efficiently and vehicles will not be able to traverse on service center parking pavements without puncturing tires. The pavement could deteriorate beyond point of repair, requiring total replacement.		Units:	0		
		Start Year:	2016		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations	2018-2022					2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design	91							91
Construction	677	61	61	61	61	244		921
Equipment Acquisition								
Salary Recovery								0
Other								
Total Allocation	768	61	61	61	61	244		1,012
Source of Funds								
4503 - Solid Waste Consolidated Construction Fd	768	61	61				122	890
Future Bond Election				61	61		122	122
Total Funds	768	61	61	61	61	244		1,012

2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Oil Storage Tank Containments SWD SERVICE CENTERS	Project No.	L-000102	
Project Description			
Install secondary containments at multiple service center sites. There is limited information on scope and cost at this time.	City Council District		
	Location	VARIOUS	Address Descr 2:
	Served:	VARIOUS	Zip Codes:
	Key Map:		Category:
	Location Code: UA-00		Sub-Category:
Project Justification			
GSD's environmental consultant determined that the Code of Federal Regulations mandates secondary containment for above ground oil storage tanks.	Units:	0	
	Start Year:		
	RCC Total	\$	RCA Total \$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design								
Construction				177			177	177
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation				177			177	177
Source of Funds								
Future Bond Election				177			177	177
Total Funds				177			177	177

2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Roll-off Covers for Dumpsters SWD SERVICE CENTERS		Project No.		L-000103	
Project Description					
Under the Clean Water Act, industrial storm water runoff is required to be permitted at the neighborhood depositories. These covers will help mitigate violations from TCEQ.		City Council District			
		Location	CITYWIDE	Address Descr 2:	
		Served:	CITYWIDE	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
By purchasing roll off covers, the department will comply with the mitigation measures through their use in daily operations of the neighborhood depositories.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition				90			90	90
Salary Recovery								
Other								
Total Allocation				90			90	90
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund				90			90	90
Total Funds				90			90	90

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CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Occupancy Code Compliance SWD SERVICE CENTERS	Project No.	L-000104	
Project Description			
Modifications, repairs, corrections needed in order to comply with the current building occupancy codes.	City Council District		
	Location	VARIOUS	Address Descr 2:
	Served:	VARIOUS	Zip Codes:
	Key Map:		Category:
	Location Code: UA-00		Sub-Category:
Project Justification			
The City's occupancy group cited department facilities for failure to comply with current occupancy codes, which if not brought up to compliance can/will cause a facility to be temporarily shut down.	Units:	0	
	Start Year:		
	RCC Total	\$	RCA Total \$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design								
Construction			311	104	104	519	519	
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation			311	104	104	519	519	
Source of Funds								
4503 - Solid Waste Consolidated Construction Fd			311			311	311	
Future Bond Election				104	104	208	208	
Total Funds			311	104	104	519	519	

2018-2022 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Locker Room Upgrades - Svc Centers SWD SERVICE CENTERS	Project No.	L-000105	
Project Description			
New interior paint, locker replacements and associated code compliance of the facilities and restrooms at several neighborhood depository centers and environmental service centers.	City Council District		
	Location	VARIOUS	Address Descr 2:
	Served:	VARIOUS	Zip Codes:
	Key Map:		Category:
	Location Code: UA-00		Sub-Category:
Project Justification			
Locker rooms at the SWD service centers are in need of upgrade as it has been nearly 20 years since they were constructed. The original design of the restrooms didn't accommodate female staff, therefore adjustments for female staff will be made as well.	Units:	0	
	Start Year:		
	RCC Total	\$	RCA Total \$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design		40					40	40
Construction			200	200	40		440	440
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation		40	200	200	40		480	480
Source of Funds								
4503 - Solid Waste Consolidated Construction Fd		40					40	40
Future Bond Election			200	200	40		440	440
Total Funds		40	200	200	40		480	480

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CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Public Parking Addition-9003 N. Main 9003 N. MAIN STREET		Project No.		L-000106	
Project Description					
The construction of an additional 60 parking spaces and repair of the existing parking lot surfaces will significantly increase parking capacity at this location.		City Council District			
		Location	H	Address Descr 2:	
		Served:	H	Zip Codes:	77022
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
There is insufficient parking for onsite community center (capacity of 50) while only 15-25 spaces are available depending on storage lot utilization of the same parking spaces.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design				44			44	44
Construction					554		554	554
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation				44	554		598	598
Source of Funds								
Future Bond Election				44	554		598	598
Total Funds				44	554		598	598

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CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Bioremediation of Pollution Controls VARIOUS LOCATIONS		Project No.		L-000107	
Project Description					
Use In-Situ Bioremediation to eliminate contaminants. This method is an engineered technology that modifies environmental conditions (physical, chemical, biochemical or microbiological) to encourage microorganisms to destroy or detoxify organic and inorganic contaminants.		City Council District			
		Location	VARIOUS	Address Descr 2:	
		Served:	VARIOUS	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Effluent at current oil water separators's storm water outfalls exceed regulatory limits of 15 parts per million, under TX Water Code Section 7.147.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design				29	29	29	87	87
Construction				261	261	261	782	782
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation				289	289	289	868	868
Source of Funds								
Future Bond Election				289	289	289	868	868
Total Funds				289	289	289	868	868

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CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Storm Water Mitigation SWD SERVICE CENTERS		Project No.		L-000108	
Project Description					
The existing SWD storm water effluent in 5 different sites, and 14 manhole locations exceed the allowable petroleum hydrocarbon concentration limit. Therefore, the addition of new manholes with baffles and bio skirt installation should reduce the effluent quantities and increase system performance and efficiency.		City Council District			
		Location	VARIOUS	Address Descr 2:	
		Served:	VARIOUS	Zip Codes:	
		Key Map:		Category:	
		Location Code:	UA-00	Sub-Category:	
Project Justification					
Storm water effluent exceeds allowable total petroleum hydrocarbon concentration limit. Trap and retain 2/3 of the sediment, and all floating trash/debris out of the permitted outfalls.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design						11	11	11
Construction						574	574	574
Equipment Acquisition								
Salary Recovery								
Other								
Total Allocation						585	585	585
Source of Funds								
Future Bond Election						585	585	585
Total Funds						585	585	585

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CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Facilities Security Upgrades SWD SERVICE CENTERS	Project No.	L-000109	
Project Description			
Provide additional and or improved securities apparatus such as access control, CCTV upgrade, and fence as well as gate electrical operator installation.	City Council District		
	Location	VARIOUS	Address Descr 2:
	Served:	VARIOUS	Zip Codes:
	Key Map:		Category:
	Location Code: UA-00		Sub-Category:
Project Justification			
Increase and improve all securities apparatus.	Units:	0	
	Start Year:		
	RCC Total	\$	RCA Total \$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition		376				376	376	
Salary Recovery								
Other								
Total Allocation		376				376	376	
Source of Funds								
1800 - Equipment Acquisition Consolidated Fund		376				376	376	
Total Funds		376				376	376	

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CITY OF HOUSTON - SOLID WASTE FACILITIES

Project: Salary Recovery	Project No.	L-000SAL	
Project Description			
Salary recovery for Major, Minor, and Environmental projects.	City Council District		
	Location	VARIOUS	Address Descr 2:
	Served:	CITYWIDE	Zip Codes:
	Key Map:		Category:
	Location Code:	UA-00	Sub-Category:
Project Justification			
General Services Department will perform work for client departments as necessary for facilities.	Units:	0	
	Start Year:		
	RCC Total	\$	RCA Total \$

Project Allocation	Previous Appropriations						2018-2022	Project Total
		2018	2019	2020	2021	2022		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery		254	254	254	254	254	1,270	1,270
Other								0
Total Allocation		254	254	254	254	254	1,270	1,270
Source of Funds								
4503 - Solid Waste Consolidated Construction Fd		254					254	254
Future Bond Election			254	254	254	254	1,016	1,016
Total Funds		254	254	254	254	254	1,270	1,270



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