

## WasteWater - Summary of Funding Sources

2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

Project Allocation	Estimated 2012	Fiscal Year Planned Appropriations					2013-2017	Total
		2013	2014	2015	2016	2017		
Acquisition								
Design	31,172	30,876	25,504	32,261	8,952	8,680	106,273	137,445
Construction	211,751	184,362	154,989	148,221	171,523	172,081	831,176	1,042,927
Equipment	13,495	21,745					21,745	35,240
Civic Art								
Other	1,893	12,117	4,507	4,518	4,525	4,239	29,906	31,799
<b>Total Allocations</b>	<b>258,311</b>	<b>249,100</b>	<b>185,000</b>	<b>185,000</b>	<b>185,000</b>	<b>185,000</b>	<b>989,100</b>	<b>1,247,411</b>
Funding Source	Estimated 2012	Fiscal Year Planned Appropriations					2013-2017	Total
		2013	2014	2015	2016	2017		
Fund 1850 - Reimbursement of Equipment/Projects								
Fund 8319 - Water & Sewer Contributed Capital Fund	5,400	4,100					4,100	9,500
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	184,824	168,550	116,217	145,993	146,033	147,494	724,287	909,111
Tx Water Development Board	68,087	76,450	68,783	39,007	38,967	37,506	260,713	328,800
<b>Total:</b>	<b>258,311</b>	<b>249,100</b>	<b>185,000</b>	<b>185,000</b>	<b>185,000</b>	<b>185,000</b>	<b>989,100</b>	<b>1,247,411</b>

**WasteWater - Summary of Funds**  
2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project	Est. 2012	Fiscal Year Planned Appropriations					2013-2017
			2013	2014	2015	2016	2017	
R-000019	Emergency Needs for Wastewater Utility Fund 8500 - Water & Sewer Sys	4,117	4,000	4,000	4,000	4,000	4,000	20,000
	<b>Project Total:</b>	<b>4,117</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>4,000</b>	<b>20,000</b>
R-000020	Miscellaneous Needs (Acquisition, Engineering, Construction, and Legal) for Public Utility Fund 8500 - Water & Sewer Sys	1,587	1,600	509	1,517	1,526	535	5,687
	<b>Project Total:</b>	<b>1,587</b>	<b>1,600</b>	<b>509</b>	<b>1,517</b>	<b>1,526</b>	<b>535</b>	<b>5,687</b>
R-000035	Wastewater Force Main Renewal and Replacement Program Fund 8500 - Water & Sewer Sys Tx Water Development Board	1,765	10,470	2,650	2,650	7,000	5,500	28,270
	<b>Project Total:</b>	<b>1,765</b>	<b>10,470</b>	<b>2,650</b>	<b>2,650</b>	<b>7,000</b>	<b>5,500</b>	<b>28,270</b>
R-000037	Corrosion Prevention and Rehabilitation Program Fund 8500 - Water & Sewer Sys		428	436	443	451	458	2,216
	<b>Project Total:</b>		<b>428</b>	<b>436</b>	<b>443</b>	<b>451</b>	<b>458</b>	<b>2,216</b>
R-000265	Wastewater Treatment and Sludge Plant Improvements Program Fund 8500 - Water & Sewer Sys	53,050	41,711	35,203	40,942	45,234	31,624	194,714
	<b>Project Total:</b>	<b>53,050</b>	<b>41,711</b>	<b>35,203</b>	<b>40,942</b>	<b>45,234</b>	<b>31,624</b>	<b>194,714</b>
R-000266	Neighborhood Sewer Rehabilitation Program in various Service Areas Tx Water Development Board	39,522	45,000	41,883	32,005	32,024	29,960	180,872
	<b>Project Total:</b>	<b>39,522</b>	<b>45,000</b>	<b>41,883</b>	<b>32,005</b>	<b>32,024</b>	<b>29,960</b>	<b>180,872</b>
R-000267	Lift Station Renewal and Replacement Improvements Program Fund 8500 - Water & Sewer Sys	38,399	28,448	33,200	25,328	18,994	42,329	148,299
	<b>Project Total:</b>	<b>38,399</b>	<b>28,448</b>	<b>33,200</b>	<b>25,328</b>	<b>18,994</b>	<b>42,329</b>	<b>148,299</b>
R-000268	Rehabilitation/Replacement of Various Wastewater Facilities Program Fund 8500 - Water & Sewer Sys	100						
	<b>Project Total:</b>	<b>100</b>						
R-000294	Sims Bayou TCEQ Compliance Program Tx Water Development Board	105	2,750					2,750
	<b>Project Total:</b>	<b>105</b>	<b>2,750</b>					<b>2,750</b>
R-000295	Citywide TCEQ Compliance Program Tx Water Development Board	21,571	21,000	19,069				40,069

**WasteWater - Summary of Funds**  
2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project	Est. 2012	Fiscal Year Planned Appropriations					2013-2017
			2013	2014	2015	2016	2017	
<b>Project Total:</b>		<b>21,571</b>	<b>21,000</b>	<b>19,069</b>				<b>40,069</b>
R-000298	Alameda Sims Wastewater Treatment & Sludge Processing Facility Improvements Program							
	Fund 8500 - Water & Sewer Sys	8,139	8,541	2,105	5,470	10,404	738	27,258
<b>Project Total:</b>		<b>8,139</b>	<b>8,541</b>	<b>2,105</b>	<b>5,470</b>	<b>10,404</b>	<b>738</b>	<b>27,258</b>
R-000302	Wastewater Facilities Safety and Security Improvements Program							
	Fund 8500 - Water & Sewer Sys	1,326	920		1,664		984	3,568
<b>Project Total:</b>		<b>1,326</b>	<b>920</b>		<b>1,664</b>		<b>984</b>	<b>3,568</b>
R-000500	Utility Improvement under Street & Bridge and Storm Drainage CIP projects							
	Fund 8500 - Water & Sewer Sys	5,707	4,741	10,883	5,278	4,833	2,564	28,299
<b>Project Total:</b>		<b>5,707</b>	<b>4,741</b>	<b>10,883</b>	<b>5,278</b>	<b>4,833</b>	<b>2,564</b>	<b>28,299</b>
R-000509	69th Street Wastewater Treatment Plant Improvements Program							
	Fund 8500 - Water & Sewer Sys	23,284	15,745	1,585	23,204	1,000	14,399	55,933
<b>Project Total:</b>		<b>23,284</b>	<b>15,745</b>	<b>1,585</b>	<b>23,204</b>	<b>1,000</b>	<b>14,399</b>	<b>55,933</b>
R-000512	Supervisory Control & Data Acquisition (SCADA) System & Process Improvement							
	Fund 8500 - Water & Sewer Sys		7,000		2,014			9,014
<b>Project Total:</b>			<b>7,000</b>		<b>2,014</b>			<b>9,014</b>
R-000521	Sewer Line Replacement by Other Governmental Agencies							
	Fund 8319 - Water & Sewer Con	5,400	4,100					4,100
	Fund 8500 - Water & Sewer Sys	10,218	7,806	819	595	2,287	3,692	15,199
<b>Project Total:</b>		<b>15,618</b>	<b>11,906</b>	<b>819</b>	<b>595</b>	<b>2,287</b>	<b>3,692</b>	<b>19,299</b>
R-000536	Wastewater Treatment Plant Consolidation Program							
	Fund 8500 - Water & Sewer Sys		2,453		8,265	17,542	16,243	44,503
<b>Project Total:</b>			<b>2,453</b>		<b>8,265</b>	<b>17,542</b>	<b>16,243</b>	<b>44,503</b>
R-000800	Collection System - Sponsor Participation Categorical (Residential and Commercial, previous R-000800 and R-000							
	Fund 8500 - Water & Sewer Sys		1,000	1,000	1,000	1,000	1,000	5,000
<b>Project Total:</b>			<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>5,000</b>
R-000801	Providing Sewer Service To The Areas Inside The City That Are Unserved							
	Fund 8500 - Water & Sewer Sys	6,792	6,728	1,088	6,366	5,238		19,420
<b>Project Total:</b>		<b>6,792</b>	<b>6,728</b>	<b>1,088</b>	<b>6,366</b>	<b>5,238</b>		<b>19,420</b>

**WasteWater - Summary of Funds**  
2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CIP No.	Project	Est. 2012	Fiscal Year Planned Appropriations					2013-2017
			2013	2014	2015	2016	2017	
R-001000	Evaluation Of Wastewater Treatment Plant Service Areas							
	Fund 8500 - Water & Sewer Sys	2,820	4,600	2,105	2,438	1,391	923	11,457
	<b>Project Total:</b>	<b>2,820</b>	<b>4,600</b>	<b>2,105</b>	<b>2,438</b>	<b>1,391</b>	<b>923</b>	<b>11,457</b>
R-002003	Northside Sewer Relief Tunnel Rehabilitation Program							
	Fund 8500 - Water & Sewer Sys	13,795	13,800	9,239		5,807	8,614	37,460
	<b>Project Total:</b>	<b>13,795</b>	<b>13,800</b>	<b>9,239</b>		<b>5,807</b>	<b>8,614</b>	<b>37,460</b>
R-002011	Neighborhood Sewer Systems Improvements							
	Fund 8500 - Water & Sewer Sys	5,195	3,900		10,985	14,233	6,997	36,115
	<b>Project Total:</b>	<b>5,195</b>	<b>3,900</b>		<b>10,985</b>	<b>14,233</b>	<b>6,997</b>	<b>36,115</b>
R-002013	Large Diameter Sewer (LDS) Rehabilitation Program							
	Fund 8500 - Water & Sewer Sys		1,500	1,500	1,816	1,500	1,500	7,816
	Tx Water Development Board	5,123	7,700	7,831	7,002	6,943	7,546	37,022
	<b>Project Total:</b>	<b>5,123</b>	<b>9,200</b>	<b>9,331</b>	<b>8,818</b>	<b>8,443</b>	<b>9,046</b>	<b>44,838</b>
R-002015	Wastewater Substitute Service Program							
	Fund 8500 - Water & Sewer Sys		2,760	9,897	2,017	3,594	5,690	23,958
	<b>Project Total:</b>		<b>2,760</b>	<b>9,897</b>	<b>2,017</b>	<b>3,594</b>	<b>5,690</b>	<b>23,958</b>
R-IT2008	Safety Radio System Upgrade							
	Fund 8500 - Water & Sewer Sys	10,296						
	<b>Project Total:</b>	<b>10,296</b>						
R-NA	Wastewater Contingencies							
	Fund 8500 - Water & Sewer Sys		399	-2	1	-1	-296	101
	<b>Project Total:</b>		<b>399</b>	<b>-2</b>	<b>1</b>	<b>-1</b>	<b>-296</b>	<b>101</b>
	<b>Total Appropriations:</b>	<b>258,311</b>	<b>249,100</b>	<b>185,000</b>	<b>185,000</b>	<b>185,000</b>	<b>185,000</b>	<b>989,100</b>

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Emergency Needs for Wastewater Utility		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-000019</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> This program provides for unforeseen emergency needs for engineering services, construction, and equipments for facility and sewer line failure of Public Utility.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is needed to provide public health and safety, and to ensure regulatory compliance.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design								
Construction		4,117					4,117	
Equipment								
Civic Art								
Other			4,000	4,000	4,000	4,000	4,000	
<b>Total Allocations</b>		4,117	4,000	4,000	4,000	4,000	4,000	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		4,117	4,000	4,000	4,000	4,000	4,000	
Tx Water Development Board								
<b>Total Funds</b>		4,117	4,000	4,000	4,000	4,000	4,000	

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Miscellaneous Needs (Acquisition, Engineering, Construction, and Legal) for Public Utility	<b>Council District</b>					<b>CIP No.:</b> <b>R-000020</b> <b>(PROPOSED)</b>	
	<b>Location:</b>	V	<b>Served:</b>	V			
	<b>Geographic Ref.:</b>	N/A	<b>Key Map:</b>	V			<b>Neighborhood:</b> N/A
<b>Description:</b> This program provides for unforeseen miscellaneous needs for acquisition, engineering services, construction, and legal services required in conjunction with various projects and activities of Public Utility.  <b>Justification:</b> This program is needed to provide for unforeseen costs.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
<b>Total</b>							
<b>FTEs</b>							
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>				<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
Acquisition							
Design			500				500
Construction		1,587			1,000	1,000	3,587
Equipment							
Civic Art							
Other			1,100	509	517	526	535
<b>Total Allocations</b>		1,587	1,600	509	1,517	1,526	535
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		1,587	1,600	509	1,517	1,526	535
<b>Total Funds</b>		1,587	1,600	509	1,517	1,526	535

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Wastewater Force Main Renewal and Replacement Program	<b>Council District</b>					<b>CIP No.:</b> <b>R-000035</b> <b>(PROPOSED)</b>	
	<b>Location:</b> V				<b>Served:</b> V		
	<b>Geographic Ref.:</b> N/A				<b>Key Map:</b> V		
<b>Description:</b> This program is for the renewal and replacement of wastewater force mains throughout the City to provide reliable operation. The City operates and maintains over 1.5 million linear feet of force mains.  <b>Justification:</b> This program is necessary due to the age and condition of the City's force mains. Funding of this program is essential to control operation and maintenance costs in the form of emergency repairs and to ensure regulatory compliance, i.e. SSOs.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
<b>Total</b>							
<b>FTEs</b>							
<b>Project Allocation</b>	<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
		<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition							
Design		1,000	1,000	1,000	1,000	1,000	5,000
Construction	1,765	9,470	1,650	1,650	6,000	4,500	25,035
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>	1,765	10,470	2,650	2,650	7,000	5,500	30,035
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		10,470	2,650	2,650	7,000	5,500	28,270
Tx Water Development Board	1,765						1,765
<b>Total Funds</b>	1,765	10,470	2,650	2,650	7,000	5,500	30,035

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Corrosion Prevention and Rehabilitation Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-000037</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> This program includes the design, investigation and subsequent corrosion protection on existing wastewater force mains and facilities. This includes the protective coatings on Aerial Crossings as well as the cathodic protection of force main lines.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program has a positive impact on system reliability, public safety, customer satisfaction and management efficiencies. It also fulfills the need to renew and replace deteriorated materials.		Personnel	2013	2014	2015	2016	2017	
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design			428	436	443	451	458	2,216
Construction								
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>			428	436	443	451	458	2,216
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund			428	436	443	451	458	2,216
<b>Total Funds</b>			428	436	443	451	458	2,216

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Wastewater Treatment and Sludge Plant Improvements Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-000265</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> This program provides for the design and construction of electrical, mechanical, structural, process, and piping improvements at various wastewater treatment facilities throughout the City.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is required to control operations and maintenance costs and ensure regulatory compliance.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design		12,874	7,243	2,222	7,598	2,311	1,477	33,725
Construction		38,283	29,968	32,981	33,344	42,923	30,147	207,646
Equipment								
Civic Art								
Other		1,893	4,500					6,393
<b>Total Allocations</b>		53,050	41,711	35,203	40,942	45,234	31,624	247,764
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		53,050	41,711	35,203	40,942	45,234	31,624	247,764
<b>Total Funds</b>		53,050	41,711	35,203	40,942	45,234	31,624	247,764

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Neighborhood Sewer Rehabilitation Program in various Service Areas	<b>Council District</b>					<b>CIP No.:</b> <b>R-000266</b> <b>(PROPOSED)</b>		
	<b>Location:</b> V				<b>Served:</b> V			
	<b>Geographic Ref.:</b> N/A				<b>Key Map:</b> V			<b>Neighborhood:</b> N/A
<b>Description:</b> This program provides for the systematic renewal of the existing sewer system as required citywide.  <b>Justification:</b> This program is required to renew deteriorated neighborhood collection systems throughout the City. Funding of this program is essential to control operation and maintenance costs in the form of emergency repairs and ensure regulatory compliance.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>							
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>		
	Personnel							
	Supplies							
	Svcs. & Chgs.							
Capital Outlay								
Property Mgmt.								
<b>Total</b>								
<b>FTEs</b>								
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design								
Construction		39,522	45,000	41,883	32,005	32,024	29,960	220,394
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		39,522	45,000	41,883	32,005	32,024	29,960	220,394
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund								
Tx Water Development Board		39,522	45,000	41,883	32,005	32,024	29,960	220,394
<b>Total Funds</b>		39,522	45,000	41,883	32,005	32,024	29,960	220,394

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Lift Station Renewal and Replacement Improvements Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-000267</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> This program is to rehabilitate, replace, consolidate or divert wastewater lift stations throughout the City. It provides for design and construction of the required improvements; structural, mechanical and electrical components at the lift stations.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is needed for reliable and efficient collection of wastewater throughout the City. It protects public health and ensures compliance with regulatory requirements.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design		6,762	8,274	13,797	7,491	1,452	3,199	40,975
Construction		30,317	18,056	19,403	17,837	17,542	39,130	142,285
Equipment		1,320						1,320
Civic Art								
Other			2,118					2,118
<b>Total Allocations</b>		38,399	28,448	33,200	25,328	18,994	42,329	186,698
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		38,399	28,448	33,200	25,328	18,994	42,329	186,698
Tx Water Development Board								
<b>Total Funds</b>		38,399	28,448	33,200	25,328	18,994	42,329	186,698

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Rehabilitation/Replacement of Various Wastewater Facilities Program	<b>Council District</b>					<b>CIP No.:</b> <b>R-000268</b> <b>(PROPOSED)</b>	
	<b>Location:</b>	V	<b>Served:</b>	V			
	<b>Geographic Ref.:</b>	N/A	<b>Key Map:</b>	V			<b>Neighborhood:</b> N/A
<b>Description:</b> This program is primarily for the refurbishment of buildings and general site improvements for all wastewater operations and utility maintenance facilities.  <b>Justification:</b> This program is for the health and welfare of the employees and to properly maintain fixed assets.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
<b>Total</b>							
<b>FTEs</b>							
<b>Project Allocation</b>	<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
		<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition							
Design							
Construction	100					100	
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>	100					100	
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	100					100	
<b>Total Funds</b>	100					100	

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Sims Bayou TCEQ Compliance Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> D,I	<b>Served:</b> D, E, I			<b>R-000294</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> This program provides the necessary improvements within Sims Bayou service areas to meet TCEQ regulatory requirements for sanitary sewer overflow prevention.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is required to meet TCEQ regulatory requirements.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design								
Construction		105	2,750				2,855	
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		105	2,750				2,855	
<b>Source of Funds</b>								
Tx Water Development Board		105	2,750				2,855	
<b>Total Funds</b>		105	2,750				2,855	

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Citywide TCEQ Compliance Program		<b>Council District</b>					<b>CIP No.:</b> <b>R-000295</b> <b>(PROPOSED)</b>	
		<b>Location:</b> V	<b>Served:</b> V					
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>Neighborhood:</b> N/A		
<b>Description:</b> This program provides the necessary improvements within various service areas to meet TCEQ regulatory requirements for sanitary sewer overflow prevention.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is required to meet TCEQ regulatory requirements.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design								
Construction		21,571	21,000	19,069			61,640	
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		21,571	21,000	19,069			61,640	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund								
Tx Water Development Board		21,571	21,000	19,069			61,640	
<b>Total Funds</b>		21,571	21,000	19,069			61,640	

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Almeda Sims Wastewater Treatment & Sludge Processing Facility Improvements Program	<b>Council District</b>					<b>CIP No.:</b> <b>R-000298</b> <b>(PROPOSED)</b>	
	<b>Location:</b> D	<b>Served:</b> C,D,I			<b>Neighborhood:</b> N/A		
	<b>Geographic Ref.:</b> 5351-0113	<b>Key Map:</b> 572L,M					
<b>Description:</b> This program provides for the design and construction of electrical, mechanical, structural, process and piping improvement of various components of this facility.  <b>Justification:</b> The improvements are required to control operation and maintenance costs and ensure regulatory compliance.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
<b>Total</b>							
<b>FTEs</b>							
<b>Project Allocation</b>	<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
		<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition							
Design	939	575	1,520	119	121	123	3,397
Construction	7,200	7,966	585	5,351	10,283	615	32,000
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>	<b>8,139</b>	<b>8,541</b>	<b>2,105</b>	<b>5,470</b>	<b>10,404</b>	<b>738</b>	<b>35,397</b>
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	8,139	8,541	2,105	5,470	10,404	738	35,397
Tx Water Development Board							
<b>Total Funds</b>	<b>8,139</b>	<b>8,541</b>	<b>2,105</b>	<b>5,470</b>	<b>10,404</b>	<b>738</b>	<b>35,397</b>

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Wastewater Facilities Safety and Security Improvements Program	<b>Council District</b>					<b>CIP No.:</b> <b>R-000302</b> <b>(PROPOSED)</b>	
	<b>Location:</b> V				<b>Served:</b> V		
	<b>Geographic Ref.:</b> N/A				<b>Key Map:</b> V		<b>Neighborhood:</b> N/A
<b>Description:</b> This program provides for the design and construction of basic safety and security improvements to the existing wastewater treatment plant facilities.  <b>Justification:</b> This program is required for the health and safety of the employees and to protect the public from unauthorized access to hazardous facilities.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
<b>Total</b>							
<b>FTEs</b>							
<b>Project Allocation</b>	<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
		<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition							
Design	546			713		1,259	
Construction	780	920		951	984	3,635	
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>	1,326	920		1,664	984	4,894	
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	1,326	920		1,664	984	4,894	
<b>Total Funds</b>	1,326	920		1,664	984	4,894	

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Utility Improvement under Street & Bridge and Storm Drainage CIP projects	<b>Council District</b>					<b>CIP No.:</b> <b>R-000500</b> <b>(PROPOSED)</b>	
	<b>Location:</b> V				<b>Served:</b> V		
	<b>Geographic Ref.:</b> N/A				<b>Key Map:</b> V		<b>Neighborhood:</b> N/A
<b>Description:</b> To provide Utility Improvement under Street & Bridge and Storm Drainage CIP projects.  <b>Justification:</b> To coordinate utility improvements with Street & Bridge and Storm Drainage CIP projects for cost effectiveness and to minimize disturbance to the citizens.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
<b>Total</b>							
<b>FTEs</b>							
<b>Project Allocation</b>	<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
		<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition							
Design	260					260	
Construction	5,447	4,741	10,883	5,278	4,833	2,564	33,746
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>	<b>5,707</b>	<b>4,741</b>	<b>10,883</b>	<b>5,278</b>	<b>4,833</b>	<b>2,564</b>	<b>34,006</b>
<b>Source of Funds</b>							
Fund 8319 - Water & Sewer Contributed Capital Fund							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	5,707	4,741	10,883	5,278	4,833	2,564	34,006
<b>Total Funds</b>	<b>5,707</b>	<b>4,741</b>	<b>10,883</b>	<b>5,278</b>	<b>4,833</b>	<b>2,564</b>	<b>34,006</b>

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> 69th Street Wastewater Treatment Plant Improvements Program	<b>Council District</b>					<b>CIP No.:</b> <b>R-000509</b> <b>(PROPOSED)</b>		
	<b>Location:</b> H	<b>Served:</b> W						
	<b>Geographic Ref.:</b> 5557-1206	<b>Key Map:</b> 494R		<b>Neighborhood:</b> N/A				
<b>Description:</b> This program provides for the design and construction of electrical, mechanical, structural, process, and piping improvements of various components of 69th Street Wastewater Treatment Plant.  <b>Justification:</b> The improvements are required to control operation and maintenance costs and ensure regulatory compliance.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>							
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>		
	Personnel							
	Supplies							
	Svcs. & Chgs.							
Capital Outlay								
Property Mgmt.								
<b>Total</b>								
	<b>FTEs</b>							
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design		4,225		585	951			5,761
Construction		17,179	1,000	1,000	22,253	1,000	14,399	56,831
Equipment		1,879	14,745					16,624
Civic Art								
Other								
<b>Total Allocations</b>		<b>23,284</b>	<b>15,745</b>	<b>1,585</b>	<b>23,204</b>	<b>1,000</b>	<b>14,399</b>	<b>79,217</b>
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		23,284	15,745	1,585	23,204	1,000	14,399	79,217
Tx Water Development Board								
<b>Total Funds</b>		<b>23,284</b>	<b>15,745</b>	<b>1,585</b>	<b>23,204</b>	<b>1,000</b>	<b>14,399</b>	<b>79,217</b>

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Supervisory Control & Data Acquisition (SCADA) System & Process Improvement	<b>Council District</b>					<b>CIP No.:</b> <b>R-000512</b> <b>(PROPOSED)</b>	
	<b>Location:</b>	V	<b>Served:</b>	V			
	<b>Geographic Ref.:</b>	N/A	<b>Key Map:</b>	V			<b>Neighborhood:</b> N/A
<b>Description:</b> This project provides funds for continued expansion and upgrade of the Wastewater Supervisory Control and Data Acquisition (SCADA) system and process improvements for Optimum Productive Service.  <b>Justification:</b> This project is required to control operation and maintenance costs and ensure regulatory compliance.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
<b>Total</b>							
<b>FTEs</b>							
<b>Project Allocation</b>	<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
		<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition							
Design							
Construction				2,014			2,014
Equipment		7,000					7,000
Civic Art							
Other							
<b>Total Allocations</b>		7,000		2,014			9,014
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		7,000		2,014			9,014
<b>Total Funds</b>		7,000		2,014			9,014

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Sewer Line Replacement by Other Governmental Agencies	<b>Council District</b>					<b>CIP No.:</b> <b>R-000521</b> <b>(PROPOSED)</b>		
	<b>Location:</b> V				<b>Served:</b> V			
	<b>Geographic Ref.:</b> N/A				<b>Key Map:</b> V		<b>Neighborhood:</b> N/A	
<b>Description:</b> This program provides funding for the design and construction of wastewater line replacement in coordination with projects by other governmental agencies.  <b>Justification:</b> This program is to coordinate projects with other governmental agencies to avoid conflict, minimize disturbance to the neighborhood, and reduce cost.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>							
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>		
	Personnel							
	Supplies							
	Svcs. & Chgs.							
Capital Outlay								
Property Mgmt.								
<b>Total</b>								
<b>FTEs</b>								
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design		720						720
Construction		14,898	11,906	819	595	2,287	3,692	34,197
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		15,618	11,906	819	595	2,287	3,692	34,917
<b>Source of Funds</b>								
Fund 8319 - Water & Sewer Contributed Capital Fund		5,400	4,100					9,500
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		10,218	7,806	819	595	2,287	3,692	25,417
<b>Total Funds</b>		15,618	11,906	819	595	2,287	3,692	34,917

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Wastewater Treatment Plant Consolidation Program		<b>Council District</b>					<b>CIP No.:</b> <b>R-000536</b> <b>(PROPOSED)</b>	
		<b>Location:</b> V	<b>Served:</b> V					
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>Neighborhood:</b> N/A		
<b>Description:</b> This program provides for implementation of a plan for the phased consolidation of facilities.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is required to control operations and maintenance costs and ensure regulatory compliance.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design			2,453		8,265			10,718
Construction						17,542	16,243	33,785
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>			2,453		8,265	17,542	16,243	44,503
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund			2,453		8,265	17,542	16,243	44,503
Tx Water Development Board								
<b>Total Funds</b>			2,453		8,265	17,542	16,243	44,503

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Collection System - Sponsor Participation Categorical (Residential and Commercial, previous R-000800 and R-000802)	<b>Council District</b>					<b>CIP No.:</b> <b>R-000800</b> <b>(PROPOSED)</b>	
	<b>Location:</b> V				<b>Served:</b> V		
	<b>Geographic Ref.:</b> N/A				<b>Key Map:</b> V		<b>Neighborhood:</b> N/A
<b>Description:</b> This project provides for the City's share of the cost of participation in joint property for wastewater collection system improvements sponsored by property owners and developers.  <b>Justification:</b> This allows additional collection system capacity to be constructed using sponsors' funds to match City funding.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
<b>Total</b>							
<b>FTEs</b>							
<b>Project Allocation</b>	<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
		<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition							
Design							
Construction		1,000	1,000	1,000	1,000	1,000	5,000
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>		1,000	1,000	1,000	1,000	1,000	5,000
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		1,000	1,000	1,000	1,000	1,000	5,000
<b>Total Funds</b>		1,000	1,000	1,000	1,000	1,000	5,000

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Providing Sewer Service To The Areas Inside The City That Are Unserved	<b>Council District</b>					<b>CIP No.:</b> <b>R-000801</b> <b>(PROPOSED)</b>	
	<b>Location:</b>	V	<b>Served:</b>	V			
	<b>Geographic Ref.:</b>	N/A	<b>Key Map:</b>	V			<b>Neighborhood:</b> N/A
<b>Description:</b> This program will provide sanitary sewer service to areas within the City limits currently on individual septic systems.  <b>Justification:</b> This program is required to protect the water quality of the City of Houston Surface Water Supply and surrounding waterways, and to promote residential development in current unserved City neighborhoods.	<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
		<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
<b>Total</b>							
<b>FTEs</b>							
<b>Project Allocation</b>	<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
		<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition							
Design	71	403	702			1,176	
Construction	6,721	6,325	386	6,366	5,238	25,036	
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>	6,792	6,728	1,088	6,366	5,238	26,212	
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	6,792	6,728	1,088	6,366	5,238	26,212	
<b>Total Funds</b>	6,792	6,728	1,088	6,366	5,238	26,212	

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Evaluation Of Wastewater Treatment Plant Service Areas		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-001000</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> This program will develop computer hydraulic models and Master Plans of the wastewater treatment plant service areas.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
<b>Justification:</b> This project is needed to identify hydraulic deficiencies in the wastewater system and program treatment plant and collection system expansion and improvements to accommodate projected growth and ensure regulatory compliance.		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design		2,820	4,600	2,105	2,438	1,391	923	14,277
Construction								
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		2,820	4,600	2,105	2,438	1,391	923	14,277
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		2,820	4,600	2,105	2,438	1,391	923	14,277
<b>Total Funds</b>		2,820	4,600	2,105	2,438	1,391	923	14,277

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Northside Sewer Relief Tunnel Rehabilitation Program		<b>Council District</b>					<b>CIP No.:</b> <b>R-002003</b> <b>(PROPOSED)</b>	
		<b>Location:</b> B,C,H	<b>Served:</b> B,C,H		<b>Neighborhood:</b> N/A			
		<b>Geographic Ref.:</b> 5359-1113	<b>Key Map:</b> 452,453, 493,494					
<b>Description:</b> This program provides for the design and construction of rehabilitation of the Northside Sewer Relief Tunnel with moderate to severe corrosion.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is needed to rehabilitate moderate to severely corroded pipe and to protect the pipe from future corrosion.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design				1,637			1,637	
Construction		13,795	13,800	7,602		5,807	49,618	
Equipment								
Civic Art								
Legal Fees								
<b>Total Allocations</b>		13,795	13,800	9,239		5,807	51,255	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		13,795	13,800	9,239		5,807	51,255	
Tx Water Development Board								
<b>Total Funds</b>		13,795	13,800	9,239		5,807	51,255	

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Neighborhood Sewer Systems Improvements		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-002011</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> Replacement and renewal of neighborhood sewers and facilities to improve customer service.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> Neighborhood sewer lines and related structures that continue to deteriorate requiring frequent repair need to be replaced, relocated and upgraded as necessary to meet today's conditions.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design		1,955	3,900				5,855	
Construction		3,240			10,985	14,233	6,997	
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		5,195	3,900		10,985	14,233	6,997	
<b>Source of Funds</b>								
Fund 1850 - Reimbursement of Equipment/Projects								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		5,195	3,900		10,985	14,233	6,997	
<b>Total Funds</b>		5,195	3,900		10,985	14,233	6,997	

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Large Diameter Sewer (LDS) Rehabilitation Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-002013</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> This program provides for the systematic renewal of existing large diameter sewer projects.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
<b>Justification:</b> This program renews moderate to severely corroded pipe and to protect pipe from future corrosion. This is an essential investment in the most critical and valuable sewers that will ensure regulatory compliance.		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design			1,500	1,500	1,816	1,500	1,500	7,816
Construction		5,123	7,700	7,831	7,002	6,943	7,546	42,145
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		5,123	9,200	9,331	8,818	8,443	9,046	49,961
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund			1,500	1,500	1,816	1,500	1,500	7,816
Tx Water Development Board		5,123	7,700	7,831	7,002	6,943	7,546	42,145
<b>Total Funds</b>		5,123	9,200	9,331	8,818	8,443	9,046	49,961

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Wastewater Substitute Service Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-002015</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> The program consists of design and construction associated with removing wastewater main lines from the rear of lots, and installing a new main line and service line in the front of the right of way at the City's expense.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> The program is required to provide better service to customers with minimal disruption and lower maintenance costs.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design					1,427	726	2,153	
Construction			2,760	9,897	590	2,868	21,805	
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>			2,760	9,897	2,017	3,594	5,690	
<b>23,958</b>								
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund			2,760	9,897	2,017	3,594	5,690	
<b>Total Funds</b>			2,760	9,897	2,017	3,594	5,690	
<b>23,958</b>								

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Safety Radio System Upgrade		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-IT2008</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> Radio system project implementation to replace the City's aging public safety radio systems.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
<b>Justification:</b> In the aftermath of Hurricane Ike, the need to upgrade the safety radio system became evident.		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design								
Construction								
Equipment		10,296					10,296	
Civic Art								
Other								
<b>Total Allocations</b>		10,296					10,296	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		10,296					10,296	
<b>Total Funds</b>		10,296					10,296	

**2013-2017 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WasteWater**

<b>Project:</b> Wastewater Contingencies		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>R-NA</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> This project provides for unforeseen capital expenditures, such as, equipment, easement acquisition, engineering and construction services, and legal services required for various projects and activities.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This project is required to plan for unforeseen costs to the wastewater system.			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		<b>Total</b>						
		<b>FTEs</b>						
<b>Project Allocation</b>		<b>Estimated 2012</b>	<b>Fiscal Year Planned Appropriations</b>					<b>Project Total</b>
			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
Acquisition								
Design								
Construction								
Equipment								
Civic Art								
Other			399	-2	1	-1	-296	
<b>Total Allocations</b>			399	-2	1	-1	-296	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund			399	-2	1	-1	-296	
<b>Total Funds</b>			399	-2	1	-1	-296	