

**Water - 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		2,000	8,034	6,721			16,755	16,755
Design	57,050	30,862	20,101	55,079	56,153	23,713	185,908	242,958
Construction	182,008	207,188	166,205	152,438	163,780	176,364	865,975	1,047,983
Equipment	4,682	3,498	1,880	4,249	3,595	3,595	16,817	21,499
Civic Art								
Other	1,500	1,452	1,325	1,513	472	1,955	6,717	8,217
<b>Total Allocations</b>	<b>245,240</b>	<b>245,000</b>	<b>197,545</b>	<b>220,000</b>	<b>224,000</b>	<b>205,627</b>	<b>1,092,172</b>	<b>1,337,412</b>
Funding Source	Estimated 2012	Fiscal Year Planned Appropriations					2013-2017	Total
		2013	2014	2015	2016	2017		
R8								
Fund 8319 - Water & Sewer Contributed Capital Fund								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	245,240	245,000	185,000	185,000	185,000	185,000	985,000	1,230,240
Proposed Water & Sewer Contributed Capital			12,545	35,000	39,000	20,627	107,172	107,172
<b>Total:</b>	<b>245,240</b>	<b>245,000</b>	<b>197,545</b>	<b>220,000</b>	<b>224,000</b>	<b>205,627</b>	<b>1,092,172</b>	<b>1,337,412</b>

**Water - 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	
S-000012	Southeast Water Purification Plant Fund 8500 - Water & Sewer Sys	3,445	625	9,356		4,678		14,659
	<b>Project Total:</b>	<b>3,445</b>	<b>625</b>	<b>9,356</b>		<b>4,678</b>		<b>14,659</b>
S-000019	Emergency Needs for Water Utility Fund 8500 - Water & Sewer Sys	1,500	1,000	1,000	1,000	1,000	1,000	5,000
	<b>Project Total:</b>	<b>1,500</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>
S-000020	Miscellaneous Needs (Acquisition, Engineering, Construction, and Legal) for Public Utility Fund 8500 - Water & Sewer Sys		1,509	1,042	1,060	526	535	4,672
	<b>Project Total:</b>		<b>1,509</b>	<b>1,042</b>	<b>1,060</b>	<b>526</b>	<b>535</b>	<b>4,672</b>
S-000035	Neighborhood Water Main Replacement Program Fund 8500 - Water & Sewer Sys	95,069	69,287	22,472	45,127	46,908	39,240	223,034
	<b>Project Total:</b>	<b>95,069</b>	<b>69,287</b>	<b>22,472</b>	<b>45,127</b>	<b>46,908</b>	<b>39,240</b>	<b>223,034</b>
S-000037	Corrosion Prevention and Rehabilitation Program Fund 8500 - Water & Sewer Sys	1,644		1,935	2,192	2,230	1,091	7,448
	<b>Project Total:</b>	<b>1,644</b>		<b>1,935</b>	<b>2,192</b>	<b>2,230</b>	<b>1,091</b>	<b>7,448</b>
S-000056	East Water Purification Plant Fund 8500 - Water & Sewer Sys	29,212	24,588	26,841	16,715	23,276	1,846	93,266
	<b>Project Total:</b>	<b>29,212</b>	<b>24,588</b>	<b>26,841</b>	<b>16,715</b>	<b>23,276</b>	<b>1,846</b>	<b>93,266</b>
S-000066	Northeast Water Purification Plant Fund 8500 - Water & Sewer Sys Proposed Water & Sewer Contri	6,068	9,174	10,856	14,269	2,420	3,692	40,411
	<b>Project Total:</b>	<b>6,068</b>	<b>9,174</b>	<b>10,856</b>	<b>49,269</b>	<b>37,420</b>	<b>3,692</b>	<b>110,411</b>
S-000067	Luce Bayou Inter-Basin Transfer from Trinity River to Lake Houston Fund 8500 - Water & Sewer Sys					9,350	23,800	33,150
	<b>Project Total:</b>					<b>9,350</b>	<b>23,800</b>	<b>33,150</b>
S-000100	New / Replacement Ground Water Wells Fund 8500 - Water & Sewer Sys		4,715	4,678	4,875	4,839	5,045	24,152
	<b>Project Total:</b>		<b>4,715</b>	<b>4,678</b>	<b>4,875</b>	<b>4,839</b>	<b>5,045</b>	<b>24,152</b>
S-000200	Water Well Renewal Program Fund 8500 - Water & Sewer Sys	9,259	5,750	4,094	3,567	4,234	3,692	21,337

**Water - 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>9,259</b>	<b>5,750</b>	<b>4,094</b>	<b>3,567</b>	<b>4,234</b>	<b>3,692</b>	<b>21,337</b>
S-000442	Utility Relocation with METRO Project Proposed Water & Sewer Contri					4,000		4,000
	<b>Project Total:</b>					<b>4,000</b>		<b>4,000</b>
S-000500	Utility Improvements Under Street & Bridge and Storm Drainage CIP Projects Fund 8500 - Water & Sewer Sys	10,370	7,487	6,685	6,274	7,340	2,305	30,091
	<b>Project Total:</b>	<b>10,370</b>	<b>7,487</b>	<b>6,685</b>	<b>6,274</b>	<b>7,340</b>	<b>2,305</b>	<b>30,091</b>
S-000521	Water Main Replacement by Other Governmental Agencies Fund 8500 - Water & Sewer Sys	2,666	4,157	1,006		3,750	1,846	10,759
	<b>Project Total:</b>	<b>2,666</b>	<b>4,157</b>	<b>1,006</b>		<b>3,750</b>	<b>1,846</b>	<b>10,759</b>
S-000536	Plant Decommission Program Fund 8500 - Water & Sewer Sys	1,080	880					880
	<b>Project Total:</b>	<b>1,080</b>	<b>880</b>					<b>880</b>
S-000600	Water Storage Tank Rehabilitation Program Fund 8500 - Water & Sewer Sys	8,870	9,437	7,044	5,291	4,839	7,383	33,994
	<b>Project Total:</b>	<b>8,870</b>	<b>9,437</b>	<b>7,044</b>	<b>5,291</b>	<b>4,839</b>	<b>7,383</b>	<b>33,994</b>
S-000700	Water Main Grid Extensions Program Fund 8500 - Water & Sewer Sys	2,682	2,300	1,088	2,379	399	431	6,597
	<b>Project Total:</b>	<b>2,682</b>	<b>2,300</b>	<b>1,088</b>	<b>2,379</b>	<b>399</b>	<b>431</b>	<b>6,597</b>
S-000701	Work Order Rehabilitation & Replacement Program of Large Diameter Water Lines Fund 8500 - Water & Sewer Sys	3,594	5,138	2,339	2,378	2,420	2,461	14,736
	<b>Project Total:</b>	<b>3,594</b>	<b>5,138</b>	<b>2,339</b>	<b>2,378</b>	<b>2,420</b>	<b>2,461</b>	<b>14,736</b>
S-000702	Valve Replacement & Installation Program Fund 8500 - Water & Sewer Sys	3,000	4,360	2,783	3,939	4,009	3,138	18,229
	<b>Project Total:</b>	<b>3,000</b>	<b>4,360</b>	<b>2,783</b>	<b>3,939</b>	<b>4,009</b>	<b>3,138</b>	<b>18,229</b>
S-000800	Sponsor Participation-Water Mains Program (Residential & Commercial, previous S-000800 and S-000802) R8 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>

**Water - 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	
S-000801	Providing Water Service to Areas Inside the City that are Unserved Fund 8500 - Water & Sewer Sys	374						
	<b>Project Total:</b>	<b>374</b>						
S-000900	Surface Water Transmission Program Fund 8500 - Water & Sewer Sys Proposed Water & Sewer Contri	46,449	56,444	51,814	56,476	45,949	78,050	288,733
	<b>Project Total:</b>	<b>46,449</b>	<b>56,444</b>	<b>64,359</b>	<b>56,476</b>	<b>45,949</b>	<b>98,677</b>	<b>321,905</b>
S-000901	Condition Assessment and Rehabilitation Program Fund 8500 - Water & Sewer Sys	5,837	3,267	3,498	4,162	2,420	4,184	17,531
	<b>Project Total:</b>	<b>5,837</b>	<b>3,267</b>	<b>3,498</b>	<b>4,162</b>	<b>2,420</b>	<b>4,184</b>	<b>17,531</b>
S-000902	Raw Water Transmission Lines Fund 8500 - Water & Sewer Sys		13,047	6,421				19,468
	<b>Project Total:</b>		<b>13,047</b>	<b>6,421</b>				<b>19,468</b>
S-000936	Well Collection Line and Flow Meter Program Fund 8500 - Water & Sewer Sys	564	4,500					4,500
	<b>Project Total:</b>	<b>564</b>	<b>4,500</b>					<b>4,500</b>
S-000956	Automatic Meter Reading Program Fund 8500 - Water & Sewer Sys	3,767	2,949	1,322	1,344	642	635	6,892
	<b>Project Total:</b>	<b>3,767</b>	<b>2,949</b>	<b>1,322</b>	<b>1,344</b>	<b>642</b>	<b>635</b>	<b>6,892</b>
S-000958	Meter Replacement & Upgrade Program Fund 8500 - Water & Sewer Sys		549	558	2,905	2,953	2,960	9,925
	<b>Project Total:</b>		<b>549</b>	<b>558</b>	<b>2,905</b>	<b>2,953</b>	<b>2,960</b>	<b>9,925</b>
S-001000	Pump Station Program Fund 8500 - Water & Sewer Sys	9,791	11,270	16,491	9,751	10,525		48,037
	<b>Project Total:</b>	<b>9,791</b>	<b>11,270</b>	<b>16,491</b>	<b>9,751</b>	<b>10,525</b>		<b>48,037</b>
S-002015	Water Substitute Service Program Fund 8500 - Water & Sewer Sys		1,615	861	300	347	246	3,369
	<b>Project Total:</b>		<b>1,615</b>	<b>861</b>	<b>300</b>	<b>347</b>	<b>246</b>	<b>3,369</b>
S-NA	Water Contingencies Fund 8500 - Water & Sewer Sys		-48	-184	-4	-1,054	420	-870

**Water - 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>			-48	-184	-4	-1,054	420	-870
<b>Total Appropriations:</b>		245,240	245,000	197,545	220,000	224,000	205,627	1,092,172

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Southeast Water Purification Plant		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> E	<b>Served:</b> W			<b>S-000012</b>		
		<b>Geographic Ref.:</b> 5952-0507	<b>Key Map:</b> 577M,R		<b>Neighborhood:</b> N/A			
<b>Description:</b> This project provides for the design and construction for plant maintenance, upgrades, security and sustainability.		<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 necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District requirements.		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		2,195					2,195	
Construction		1,250	625	9,356		4,678	15,909	
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		<b>3,445</b>	<b>625</b>	<b>9,356</b>		<b>4,678</b>	<b>18,104</b>	
<b>Source of Funds</b>								
Fund 8319 - Water & Sewer Contributed Capital Fund								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		3,445	625	9,356		4,678	18,104	
<b>Total Funds</b>		<b>3,445</b>	<b>625</b>	<b>9,356</b>		<b>4,678</b>	<b>18,104</b>	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Emergency Needs for Water Utility		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-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 water 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								
Equipment								
Civic Art								
Other		1,500	1,000	1,000	1,000	1,000	1,000	
<b>Total Allocations</b>		1,500	1,000	1,000	1,000	1,000	1,000	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		1,500	1,000	1,000	1,000	1,000	1,000	
<b>Total Funds</b>		1,500	1,000	1,000	1,000	1,000	1,000	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Miscellaneous Needs (Acquisition, Engineering, Construction, and Legal) for Public Utility	<b>Council District</b>					<b>CIP No.:</b> <b>S-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							
Construction		1,009	533	543		2,085	
Equipment							
Civic Art							
Other		500	509	517	526	535	
<b>Total Allocations</b>		1,509	1,042	1,060	526	535	
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		1,509	1,042	1,060	526	535	4,672
<b>Total Funds</b>		1,509	1,042	1,060	526	535	4,672

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Neighborhood Water Main Replacement Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-000035</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 replacement distribution mains and upgrades small mains which do not meet standards.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is required to improve customer service, water quality and capacity, fire protection, system reliability, and assures compliance with TCEQ rules and other governmental regulations.			<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		21,220	2,753	3,467	5,302	4,192	4,832	41,766
Construction		73,849	66,534	19,005	39,825	42,716	34,408	276,337
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		95,069	69,287	22,472	45,127	46,908	39,240	318,103
<b>Source of Funds</b>								
Fund 8319 - Water & Sewer Contributed Capital Fund								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		95,069	69,287	22,472	45,127	46,908	39,240	318,103
<b>Total Funds</b>		95,069	69,287	22,472	45,127	46,908	39,240	318,103

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Corrosion Prevention and Rehabilitation Program		<b>Council District</b>					<b>CIP No.:</b> <b>S-000037</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 includes the design, investigation and subsequent corrosion protection on existing water lines and facilities. This includes the protective coatings on Aerial Crossings as well as the cathodic protection of 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		1,644		1,037	1,055	1,073	1,091	5,900
Construction				898	1,137	1,157		3,192
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		1,644		1,935	2,192	2,230	1,091	9,092
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		1,644		1,935	2,192	2,230	1,091	9,092
<b>Total Funds</b>		1,644		1,935	2,192	2,230	1,091	9,092

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

**CITY OF HOUSTON - Water**

<b>Project:</b> East Water Purification Plant		<b>Council District</b>					<b>CIP No.:</b> <b>S-000056</b> <b>(PROPOSED)</b>	
		<b>Location:</b> E	<b>Served:</b> W			<b>Neighborhood:</b> N/A		
		<b>Geographic Ref.:</b> 5756-1311	<b>Key Map:</b> 496U,Y					
<b>Description:</b> This project upgrades and optimizes the East Water Plant, and increases the capacity and reliability to meet immediate and future needs of the City and its customers.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District 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		5,702	5,954					11,656
Construction		23,510	18,634	26,841	16,715	23,276	1,846	110,822
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		29,212	24,588	26,841	16,715	23,276	1,846	122,478
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		29,212	24,588	26,841	16,715	23,276	1,846	122,478
<b>Total Funds</b>		29,212	24,588	26,841	16,715	23,276	1,846	122,478

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Northeast Water Purification Plant		<b>Council District</b>					<b>CIP No.:</b> <b>S-000066</b> <b>(PROPOSED)</b>	
		<b>Location:</b> E	<b>Served:</b> W			<b>Neighborhood:</b> N/A		
		<b>Geographic Ref.:</b> 5865-0203	<b>Key Map:</b> 377W, X					
<b>Description:</b> This project consists of evaluation, site preparation, design, and construction of the Northeast Plant for improvement and expansion.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District 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		2,618	3,513	1,500	35,000	35,000	1,231	78,862
Construction		3,450	5,661	9,356	14,269	2,420	2,461	37,617
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		6,068	9,174	10,856	49,269	37,420	3,692	116,479
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		6,068	9,174	10,856	14,269	2,420	3,692	46,479
Proposed Water & Sewer Contributed Capital					35,000	35,000		70,000
<b>Total Funds</b>		6,068	9,174	10,856	49,269	37,420	3,692	116,479

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Luce Bayou Inter-Basin Transfer from Trinity River to Lake Houston	<b>Council District</b>					<b>CIP No.:</b> <b>S-000067</b> <b>(PROPOSED)</b>		
	<b>Location:</b> V				<b>Served:</b> V			
	<b>Geographic Ref.:</b>		<b>Key Map:</b> V		<b>Neighborhood:</b> N/A			
<b>Description:</b> The project consists of the construction of an inter-basin transfer bayou from Trinity River to Lake Houston. The project is implemented by The Coastal Water Authority for several surrounding entities.  <b>Justification:</b> The project is required to supplement Lake Houston, which is one of the City of Houston's sources of drinking water. It is required to meet demand caused by regulation requiring the conversion to surface water. This project will help supply the City of Houston, Fort Bend County, and Montgomery County for the next 50 years. It is a critical component of the 2007 Region H Water Plan for the State of Texas.	<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						9,350	23,800	33,150
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>						9,350	23,800	33,150
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund						9,350	23,800	33,150
<b>Total Funds</b>						9,350	23,800	33,150

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

**CITY OF HOUSTON - Water**

<b>Project:</b> New / Replacement Ground Water Wells		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-000100</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 assessment, evaluation, and installtion of ground water wells to increase or maintain water production capacity.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is necessary in order to provide reliability of the water 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			690		713		738	
Construction			4,025	4,678	4,162	4,839	4,307	
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>			4,715	4,678	4,875	4,839	5,045	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund			4,715	4,678	4,875	4,839	5,045	
<b>Total Funds</b>			4,715	4,678	4,875	4,839	5,045	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Water Well Renewal Program		<b>Council District</b>					<b>CIP No.:</b> <b>S-000200</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 provides assessment, evaluation, and rehabilitation of existing water wells to extend service life, improve water quality, and reduce maintenance costs.  <b>Justification:</b> This program is necessary in order to improve the performance of wells, reliability, and demand of the system.		<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		285		585		605		1,475
Construction		8,974	5,750	3,509	3,567	3,629	3,692	29,121
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		9,259	5,750	4,094	3,567	4,234	3,692	30,596
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		9,259	5,750	4,094	3,567	4,234	3,692	30,596
<b>Total Funds</b>		9,259	5,750	4,094	3,567	4,234	3,692	30,596

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Utility Relocation with METRO Project		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-000442</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 replacement and/or relocation of City's water line on Metro rail corridors.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This project is necessary in order to avoid the impact of City's water main by Metro rail corridors.			<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					4,000		4,000	
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>					4,000		4,000	
<b>Source of Funds</b>								
Proposed Water & Sewer Contributed Capital					4,000		4,000	
<b>Total Funds</b>					4,000		4,000	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Utility Improvements Under Street & Bridge and Storm Drainage CIP Projects	<b>Council District</b>					<b>CIP No.:</b> <b>S-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 improvements under Street & Bridge and Storm Drainage CIP projects.  <b>Justification:</b> To coordinate the utility improvement with Street & Bridge and Storm Drainage CIP projects for cost effectiveness and to minimize the 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								
Construction		10,370	7,487	6,685	6,274	7,340	2,305	40,461
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		10,370	7,487	6,685	6,274	7,340	2,305	40,461
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		10,370	7,487	6,685	6,274	7,340	2,305	40,461
<b>Total Funds</b>		10,370	7,487	6,685	6,274	7,340	2,305	40,461

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Water Main Replacement by Other Governmental Agencies		<b>Council District</b>					<b>CIP No.:</b> <b>S-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 water distribution mains replacement in coordination with projects by other governmental agencies.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is to coordinate projects with other governmental agencies to avoid conflict, minimize disturbance to the neighborhood, and reduce cost.			<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		2,666	4,157	1,006		3,750	1,846	
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		2,666	4,157	1,006		3,750	1,846	
<b>Source of Funds</b>								
Fund 8319 - Water & Sewer Contributed Capital Fund								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		2,666	4,157	1,006		3,750	1,846	
<b>Total Funds</b>		2,666	4,157	1,006		3,750	1,846	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Plant Decommission Program	<b>Council District</b>					<b>CIP No.:</b> <b>S-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 decommission of ground water facilities as the result of the Surface Water Conversion and Regionalization.  <b>Justification:</b> This program will improve efficiency of the Utility Operation and reduce O&M 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							
Construction	1,080	880				1,960	
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>	1,080	880				1,960	
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	1,080	880				1,960	
<b>Total Funds</b>	1,080	880				1,960	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Water Storage Tank Rehabilitation Program		<b>Council District</b>					<b>CIP No.:</b> <b>S-000600</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 cleaning, inspection, rehabilitation and preventive maintenance of existing water storage tanks.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is necessary to meet the supply demand capacity, water storage capacity requirements of the TCEQ and the Annual State Inspection.			<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		2,137	2,300	1,806	535		2,461	9,239
Construction		6,733	7,137	5,238	4,756	4,839	4,922	33,625
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		8,870	9,437	7,044	5,291	4,839	7,383	42,864
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		8,870	9,437	7,044	5,291	4,839	7,383	42,864
<b>Total Funds</b>		8,870	9,437	7,044	5,291	4,839	7,383	42,864

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Water Main Grid Extensions Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-000700</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 water main extension projects to improve circulation and fire protection.		<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 is required for the City to provide quality water service, fire protection, and improve system reliability.		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		920	575		595		123	2,213
Construction		1,762	1,725	1,088	1,784	399	308	7,066
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		2,682	2,300	1,088	2,379	399	431	9,279
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		2,682	2,300	1,088	2,379	399	431	9,279
<b>Total Funds</b>		2,682	2,300	1,088	2,379	399	431	9,279

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Work Order Rehabilitation & Replacement Program of Large Diameter Water Lines	<b>Council District</b>					<b>CIP No.:</b> <b>S-000701</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>
<b>Description:</b> This program provides for the repairs and replacements of large diameter waterlines and valves in the distribution and transmission system.  <b>Justification:</b> This program is to ensure that large diameter water lines be repaired or replaced to minimize the impacts of major water main shut downs. This would increase the quality of service and customer satisfaction.	<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		3,594	5,138	2,339	2,378	2,420	2,461	18,330
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		3,594	5,138	2,339	2,378	2,420	2,461	18,330
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		3,594	5,138	2,339	2,378	2,420	2,461	18,330
<b>Total Funds</b>		3,594	5,138	2,339	2,378	2,420	2,461	18,330

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Valve Replacement & Installation Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-000702</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 inspection and replacement of missing or broken valves on water lines.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> The water distribution and transmission system will not function properly without the valves.			<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
		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			510	519	527	537	546	2,639
Construction		3,000	3,850	2,264	3,412	3,472	2,592	18,590
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		3,000	4,360	2,783	3,939	4,009	3,138	21,229
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		3,000	4,360	2,783	3,939	4,009	3,138	21,229
<b>Total Funds</b>		3,000	4,360	2,783	3,939	4,009	3,138	21,229

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Sponsor Participation-Water Mains Program (Residential & Commercial, previous S-000800 and S-000802)	<b>Council District</b>					<b>CIP No.:</b> <b>S-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 program provides for the funding of the City's share in construction of developer built public water mains within the City limits and for the cost difference to oversize projects for future demands.  <b>Justification:</b> This program is necessary for the City to promote In-City development and to meet future demands.	<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								
Materials								
<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	1,000	5,000
<b>Total Funds</b>		1,000	1,000	1,000	1,000	1,000	1,000	5,000

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Providing Water Service to Areas Inside the City that are Unserved **Funds moved to S-000700**	<b>Council District</b>					<b>CIP No.:</b> <b>S-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 provides design and construction of water main extensions throughout the City. To acquire investor owned public utilities inside the City limits as needed, and to provide better service to residents in the areas currently served by these utilities.  <b>Justification:</b> A part of the Neighborhood Redevelopment Program to meet the water capacity needs to promote redevelopment of small tracts in various City neighborhoods. Also, to provide water service to areas inside the City limits currently not served by the City .	<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	374						374
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>	374						374
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	374						374
<b>Total Funds</b>	374						374

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Surface Water Transmission Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-000900</b>		
		<b>Geographic Ref.:</b> N/A	<b>Key Map:</b> V			<b>(PROPOSED)</b>		
		<b>Neighborhood:</b> N/A						
<b>Description:</b> Project program provides for the design and construction of transmission and distribution lines to convey treated water from surface water facilities.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is required to comply with the Harris-Galveston Subsidence District requirement and to implement City's regionalization plan. This program is part of the City's long range water supply plan.			<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			2,000	8,034	6,721			16,755
Design		16,945	9,392	11,187	11,352	14,746	12,691	76,313
Construction		29,505	45,052	45,138	38,403	31,203	85,986	275,287
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		46,449	56,444	64,359	56,476	45,949	98,677	368,354
<b>Source of Funds</b>								
Fund 8319 - Water & Sewer Contributed Capital Fund								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		46,449	56,444	51,814	56,476	45,949	78,050	335,182
Proposed Water & Sewer Contributed Capital				12,545			20,627	33,172
<b>Total Funds</b>		46,449	56,444	64,359	56,476	45,949	98,677	368,354

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Condition Assessment and Rehabilitation Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-000901</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 inspection, rehabilitation, and replacement of large diameter water lines.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is necessary to provide preventive maintenance for large diameter water lines to ensure the demand capacity of water distribution and transmission 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		5,837	3,267	3,498	4,162	2,420	4,184	23,368
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>		5,837	3,267	3,498	4,162	2,420	4,184	23,368
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		5,837	3,267	3,498	4,162	2,420	4,184	23,368
<b>Total Funds</b>		5,837	3,267	3,498	4,162	2,420	4,184	23,368

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Raw Water Transmission Lines	<b>Council District</b>					<b>CIP No.:</b> <b>S-000902</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> Project program provides for the design and construction of raw water transmission lines to convey raw water to water purification facilities.  <b>Justification:</b> This project is required to ensure that water purification plants are supplied with raw water in order to meet demand for purified water.	<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		13,047	6,421			19,468	
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>		13,047	6,421			19,468	
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		13,047	6,421			19,468	
<b>Total Funds</b>		13,047	6,421			19,468	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Well Collection Line and Flow Meter Program	<b>Council District</b>					<b>CIP No.:</b> <b>S-000936</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 or rehabilitation of well collection lines, plant discharge flow meters, well collection flow meters, and freeze protection.  <b>Justification:</b> This program improves quality and dependability of ground water and meet TCEQ requirements. It also improves accuracy of flow measurement for reporting to Harris-Galveston Coastal Subsidence District.	<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	564					564	
Construction		4,500				4,500	
Equipment							
Civic Art							
Other							
<b>Total Allocations</b>	564	4,500				5,064	
<b>Source of Funds</b>							
Fund 8500 - Water & Sewer Sys Cons. Const. Fund	564	4,500				5,064	
<b>Total Funds</b>	564	4,500				5,064	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Automatic Meter Reading Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-000956</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 purchase and installation of radio frequency automated meter reading devices and Mobile Data Command System to read meters.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> The program reduces manpower and allow monitoring water consumption on demand to reduce unaccounted water.			<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		3,767	2,949	1,322	1,344	642	635	
Civic Art								
Other								
<b>Total Allocations</b>		3,767	2,949	1,322	1,344	642	635	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		3,767	2,949	1,322	1,344	642	635	
<b>Total Funds</b>		3,767	2,949	1,322	1,344	642	635	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Meter Replacement & Upgrade Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-000958</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 removal, replacement, and upgrade of water meters to get accurate readings.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> Replacement of the meters has been determined to be more cost effective than retrofitting the old meters and would increase annual revenues.			<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			549	558	2,905	2,953	2,960	
Civic Art								
Other								
<b>Total Allocations</b>			549	558	2,905	2,953	2,960	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund			549	558	2,905	2,953	2,960	
<b>Total Funds</b>			549	558	2,905	2,953	2,960	

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Pump Station Program		<b>Council District</b>					<b>CIP No.:</b> <b>S-001000</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 renewal of pump stations. Improvements include renovations, individual pump installation, replacement of electrical switchgear, generators, valves, meters, motors, pumps, lead abatement, site demolition, and roadway.		<b>Operational and Maintenance Costs: (\$ Thousands)</b>						
<b>Justification:</b> This program is necessary to meet the water system capacity requirements by the TCEQ and Annual State inspection.			2013	2014	2015	2016	2017	
		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>
			2013	2014	2015	2016	2017	
Acquisition								
Design		2,822	5,175					7,997
Construction		6,054	6,095	16,491	9,751	10,525		48,916
Equipment		915						915
Civic Art								
Other								
<b>Total Allocations</b>		9,791	11,270	16,491	9,751	10,525		57,828
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund		9,791	11,270	16,491	9,751	10,525		57,828
<b>Total Funds</b>		9,791	11,270	16,491	9,751	10,525		57,828

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Water Substitute Service Program		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-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 water 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.			2013	2014	2015	2016	2017	
		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>
			2013	2014	2015	2016	2017	
Acquisition								
Design								
Construction			1,615	861	300	347	246	3,369
Equipment								
Civic Art								
Other								
<b>Total Allocations</b>			1,615	861	300	347	246	3,369
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund			1,615	861	300	347	246	3,369
<b>Total Funds</b>			1,615	861	300	347	246	3,369

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

**CITY OF HOUSTON - Water**

<b>Project:</b> Water Contingencies		<b>Council District</b>					<b>CIP No.:</b>	
		<b>Location:</b> V	<b>Served:</b> V			<b>S-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 water 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			-48	-184	-4	-1,054	420	
<b>Total Allocations</b>			-48	-184	-4	-1,054	420	
<b>Source of Funds</b>								
Fund 8500 - Water & Sewer Sys Cons. Const. Fund			-48	-184	-4	-1,054	420	
<b>Total Funds</b>			-48	-184	-4	-1,054	420	