

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Southeast Water Purification Plant		Project No.		S-000012	
<b>Project Description</b>					
This project provides for the design and construction for plant maintenance, upgrades, security and sustainability.		<b>City Council District</b>			
		Location	E	Address Descr 2:	
		Served:	W	Zip Codes:	
		Key Map:	577M,R	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District requirements.		Units:	0		
		Start Year:	2007		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land	77						77	
Design	7,506	1,150				1,150	8,656	
Construction	183,260	9,360		9,495	4,900	23,755	207,015	
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>190,843</b>	<b>10,510</b>		<b>9,495</b>	<b>4,900</b>	<b>24,905</b>	<b>215,748</b>	
<b>Source of Funds</b>								
8319 - PWE-W & S Contributed CAP	96,000						96,000	
8500 - PWE-W&S Syst Consolidating Constr Fd	94,843	10,510		9,495	4,900	24,905	119,748	
<b>Total Funds</b>	<b>190,843</b>	<b>10,510</b>		<b>9,495</b>	<b>4,900</b>	<b>24,905</b>	<b>215,748</b>	

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Emergency Needs for Water Utility		Project No.		S-000019	
<b>Project 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>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	V	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
This program is needed to provide public health and safety, and to ensure regulatory compliance.		Units:	0		
		Start Year:	2007		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land	129							129
Design	1,900							1,900
Construction	5,522							5,522
Equipment Acquisition	1,357	1,000					1,000	2,357
Salary Recovery	0							0
Other		1,000	1,000	1,000	1,000	1,000	5,000	5,000
<b>Total Allocation</b>	<b>8,907</b>	<b>2,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>6,000</b>	<b>14,907</b>
<b>Source of Funds</b>								
-								0
8500 - PWE-W&S Syst Consolidating Constr Fd	8,907	2,000	1,000	1,000	1,000	1,000	6,000	14,907
<b>Total Funds</b>	<b>8,907</b>	<b>2,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>1,000</b>	<b>6,000</b>	<b>14,907</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Miscellaneous Water Needs		Project No.		S-000020	
<b>Project 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>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	N/A	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
This program is needed to provide for unforeseen costs.		Units:	0		
		Start Year:	2011		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design	200	20	26	20	26	20	112	312
Construction	156	963					963	1,119
Equipment Acquisition	464							464
Salary Recovery								
Other		500	500	500	500	500	2,500	2,500
<b>Total Allocation</b>	<b>820</b>	<b>1,483</b>	<b>526</b>	<b>520</b>	<b>526</b>	<b>520</b>	<b>3,575</b>	<b>4,395</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	820	1,483	526	520	526	520	3,575	4,395
<b>Total Funds</b>	<b>820</b>	<b>1,483</b>	<b>526</b>	<b>520</b>	<b>526</b>	<b>520</b>	<b>3,575</b>	<b>4,395</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Neighborhood Water Main Replacement		Project No.		S-000035	
<b>Project Description</b>					
This program provides for the design and construction of replacement distribution mains and upgrades small mains which do not meet standards.		<b>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	V	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project 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.		Units:	0		
		Start Year:	2007		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land	29							29
Design	51,919	4,745	3,987	3,401	4,618	5,631	22,382	74,301
Construction	295,915	30,438	29,612	36,418	36,663	26,675	159,806	455,721
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>347,864</b>	<b>35,183</b>	<b>33,599</b>	<b>39,819</b>	<b>41,281</b>	<b>32,306</b>	<b>182,188</b>	<b>530,052</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	347,864	35,183	33,599	39,819	41,281	32,306	182,188	530,052
<b>Total Funds</b>	<b>347,864</b>	<b>35,183</b>	<b>33,599</b>	<b>39,819</b>	<b>41,281</b>	<b>32,306</b>	<b>182,188</b>	<b>530,052</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Corrosion Prevention and Rehabilitation		Project No.		S-000037	
<b>Project 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>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	V	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project 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.		Units:	0		
		Start Year:	2007		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design	9,274	2,100	2,136	2,174			6,410	15,684
Construction								
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>9,274</b>	<b>2,100</b>	<b>2,136</b>	<b>2,174</b>			<b>6,410</b>	<b>15,684</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	9,274	2,100	2,136	2,174			6,410	15,684
<b>Total Funds</b>	<b>9,274</b>	<b>2,100</b>	<b>2,136</b>	<b>2,174</b>			<b>6,410</b>	<b>15,684</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: East Water Purification Plant		Project No.		S-000056	
<b>Project 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>City Council District</b>			
		Location	E	Address Descr 2:	
		Served:	W	Zip Codes:	
		Key Map:	496U, Y	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District requirements.		Units:	0		
		Start Year:	2007		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design	16,855	1,150					1,150	18,005
Construction	82,229	29,543	17,335	32,874			79,752	161,981
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>99,084</b>	<b>30,693</b>	<b>17,335</b>	<b>32,874</b>			<b>80,902</b>	<b>179,986</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	99,084	30,693	17,335	32,874			80,902	179,986
<b>Total Funds</b>	<b>99,084</b>	<b>30,693</b>	<b>17,335</b>	<b>32,874</b>			<b>80,902</b>	<b>179,986</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Northeast Water Purification Plant		Project No.		S-000066	
<b>Project Description</b>					
This project consists of evaluation, site preparation, design, and construction of the Northeast Plant for improvement and expansion.		<b>City Council District</b>			
		Location	E	Address Descr 2:	
		Served:	W	Zip Codes:	
		Key Map:	377W, X	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
This project is necessary to meet water demand, Safe Drinking Water Act, TCEQ and Harris-Galveston Subsidence District requirements.		Units:	0		
		Start Year:	2010		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design	9,225	<b>2,974</b>		35,000	35,000		72,974	82,199
Construction	5,921	<b>15,767</b>		12,378			28,145	34,066
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>15,146</b>	<b>18,741</b>		<b>47,378</b>	<b>35,000</b>		<b>101,119</b>	<b>116,265</b>
<b>Source of Funds</b>								
8319 - PWE-W & S Contributed CAP		<b>6,871</b>		40,122	35,000		81,993	81,993
8500 - PWE-W&S Syst Consolidating Constr Fd	15,146	<b>11,870</b>		7,256			19,126	34,272
<b>Total Funds</b>	<b>15,146</b>	<b>18,741</b>		<b>47,378</b>	<b>35,000</b>		<b>101,119</b>	<b>116,265</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Luce Bayou Inter-Basin Transfer		Project No.		S-000067		
<b>Project 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>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	V	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project Justification</b>						
The project is required to supplement Lake Houston, a source of drinking water for the City. It is required to meet demand caused by regulation requiring the conversion to surface water. This project will help supply the City with water for the next 50 years.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design								
Construction				14,391	15,750		30,141	30,141
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>				<b>14,391</b>	<b>15,750</b>		<b>30,141</b>	<b>30,141</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd				14,391	15,750		30,141	30,141
<b>Total Funds</b>				<b>14,391</b>	<b>15,750</b>		<b>30,141</b>	<b>30,141</b>



**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Water Contingencies	Project No.	S-0000NA	
<b>Project Description</b>			
Contingency amount used to balance Adopted CIP.	<b>City Council District</b>		
	Location	V	Address Descr 2:
	Served:	V	Zip Codes:
	Key Map:	N/A	Category:
	Location Code:	UA-00	Sub-Category:
<b>Project Justification</b>			
Project is needed to balance CIP	Units:	0	
	Start Year:		
	RCC Total	\$	RCA Total \$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition								
Salary Recovery								
Other		2,344	2,691	430	79	1,273	6,817	6,817
<b>Total Allocation</b>		<b>2,344</b>	<b>2,691</b>	<b>430</b>	<b>79</b>	<b>1,273</b>	<b>6,817</b>	<b>6,817</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd		2,344	2,691	430	79	1,273	6,817	6,817
<b>Total Funds</b>		<b>2,344</b>	<b>2,691</b>	<b>430</b>	<b>79</b>	<b>1,273</b>	<b>6,817</b>	<b>6,817</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: New / Replacement Ground Water Wells		Project No.		S-000100		
<b>Project Description</b>						
This program provides assessment, evaluation, and installation of ground water wells to increase or maintain water production capacity.		<b>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	V	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project Justification</b>						
This program is necessary in order to provide reliability of the water system		Units:	0			
		Start Year:	2007			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land	1							1
Design	741		701		723		1,424	2,165
Construction	6,943	2,340	4,158	4,828	4,288		15,614	22,557
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>7,685</b>	<b>2,340</b>	<b>4,859</b>	<b>4,828</b>	<b>5,011</b>		<b>17,038</b>	<b>24,723</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	7,685	2,340	4,859	4,828	5,011		17,038	24,723
<b>Total Funds</b>	<b>7,685</b>	<b>2,340</b>	<b>4,859</b>	<b>4,828</b>	<b>5,011</b>		<b>17,038</b>	<b>24,723</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Water Well Renewal Program		Project No.		S-000200	
<b>Project Description</b>					
This program provides assesment, evaluation, and rehabilitation of existing water wells to extend service life, improve water quality, and reduce maintenance costs.		<b>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	V	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
This program is necessary in order to improve the performance of wells, reliability, and demand of the system.		Units:	0		
		Start Year:	2007		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land	0							0
Design	1,183	575		594			1,169	2,352
Construction	19,465		3,564	3,621	3,675	3,726	14,586	34,051
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>20,647</b>	<b>575</b>	<b>3,564</b>	<b>4,215</b>	<b>3,675</b>	<b>3,726</b>	<b>15,755</b>	<b>36,402</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	20,647	575	3,564	4,215	3,675	3,726	15,755	36,402
<b>Total Funds</b>	<b>20,647</b>	<b>575</b>	<b>3,564</b>	<b>4,215</b>	<b>3,675</b>	<b>3,726</b>	<b>15,755</b>	<b>36,402</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Water Main Replacement by Other Govt		Project No.		S-000521		
<b>Project 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>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	V	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project Justification</b>						
This program is to coordinate projects with other governmental agencies to avoid conflict, minimize disturbance to the neighborhood, and reduce cost.		Units:	0			
		Start Year:	2007			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land	0							0
Design	642							642
Construction	13,058	2,060		3,100			5,160	18,218
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>13,701</b>	<b>2,060</b>		<b>3,100</b>			<b>5,160</b>	<b>18,861</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	13,701	2,060		3,100			5,160	18,861
<b>Total Funds</b>	<b>13,701</b>	<b>2,060</b>		<b>3,100</b>			<b>5,160</b>	<b>18,861</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Water Storage Tank Rehabilitation		Project No.		S-000600		
<b>Project Description</b>						
This program provides for the cleaning, inspection, rehabilitation and preventive maintenance of existing water storage tanks.		<b>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	V	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project Justification</b>						
This program is necessary to meet the supply demand capacity, water storage capacity requirements of the TCEQ and the Annual State Inspection.		Units:	0			
		Start Year:	2007			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design	5,797	1,725	526		2,410		4,661	10,458
Construction	23,192	4,680	4,752	4,828	4,900	4,968	24,128	47,320
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>28,989</b>	<b>6,405</b>	<b>5,278</b>	<b>4,828</b>	<b>7,310</b>	<b>4,968</b>	<b>28,789</b>	<b>57,778</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	28,989	6,405	5,278	4,828	7,310	4,968	28,789	57,778
<b>Total Funds</b>	<b>28,989</b>	<b>6,405</b>	<b>5,278</b>	<b>4,828</b>	<b>7,310</b>	<b>4,968</b>	<b>28,789</b>	<b>57,778</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Water Main Grid Extensions Program		Project No.		S-000700-A	
<b>Project Description</b>					
This program provides for the design and construction of water main extension projects to improve circulation and fire protection.		<b>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	V	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
This program is required for City to provide quality water service, fire protection, and improve system reliability.		Units:	0		
		Start Year:			
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design			584		121		705	705
Construction		4,368	2,614	398	306	248	7,934	7,934
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>		<b>4,368</b>	<b>3,198</b>	<b>398</b>	<b>427</b>	<b>248</b>	<b>8,639</b>	<b>8,639</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd		4,368	3,198	398	427	248	8,639	8,639
<b>Total Funds</b>		<b>4,368</b>	<b>3,198</b>	<b>398</b>	<b>427</b>	<b>248</b>	<b>8,639</b>	<b>8,639</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Lg Diameter Water Line Rehab		Project No.		S-000701		
<b>Project Description</b>						
This program provides for the repairs and replacements of large diameter waterlines and valves in the distribution and transmission system.		<b>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	V	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project 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.		Units:	0			
		Start Year:	2007			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design		1,380	701	712	723	733	4,249	4,249
Construction	12,338	4,212	2,614	5,069	2,695	2,732	17,322	29,660
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>12,338</b>	<b>5,592</b>	<b>3,315</b>	<b>5,781</b>	<b>3,418</b>	<b>3,465</b>	<b>21,571</b>	<b>33,909</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	12,338	5,592	3,315	5,781	3,418	3,465	21,571	33,909
<b>Total Funds</b>	<b>12,338</b>	<b>5,592</b>	<b>3,315</b>	<b>5,781</b>	<b>3,418</b>	<b>3,465</b>	<b>21,571</b>	<b>33,909</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Valve Replacement & Installation Program		Project No.		S-000702	
<b>Project Description</b>					
This program provides for the inspection and replacement of missing or broken valves on water lines.		<b>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	V	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
The water distribution and transmission system will not function properly without the valves.		Units:	0		
		Start Year:	2009		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design		525	534	544	553	561	2,717	2,717
Construction	3,708	2,140	3,264	3,321	2,250	2,284	13,259	16,967
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>3,708</b>	<b>2,665</b>	<b>3,798</b>	<b>3,865</b>	<b>2,803</b>	<b>2,845</b>	<b>15,976</b>	<b>19,684</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	3,708	2,665	3,798	3,865	2,803	2,845	15,976	19,684
<b>Total Funds</b>	<b>3,708</b>	<b>2,665</b>	<b>3,798</b>	<b>3,865</b>	<b>2,803</b>	<b>2,845</b>	<b>15,976</b>	<b>19,684</b>



**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Sponsor Participation-Water Mains Prog.		Project No.		S-000800	
<b>Project 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>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	V	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
This program is necessary for the City to promote In-City development and to meet future demands.		Units:	0		
		Start Year:	2007		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design								
Construction	9,361	500	500	500	500	500	2,500	11,861
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>9,361</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>2,500</b>	<b>11,861</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	9,361	500	500	500	500	500	2,500	11,861
<b>Total Funds</b>	<b>9,361</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>2,500</b>	<b>11,861</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Lake Houston Water Supply Projects		Project No.		S-000890	
<b>Project Description</b>					
Repairs to Lake Houston Dam or other infrastructure associated with Lake Houston Water Supply. Coastal Water Authority is the facility operator.		<b>City Council District</b>			
		Location		Address Descr 2:	
		Served:	W	Zip Codes:	
		Key Map:		Category:	
		Location Code: UA-00		Sub-Category:	
<b>Project Justification</b>					
Lake Houston and associated infrastructure are part of the City's long term plan for water supply.		Units:		0	
		Start Year:		2007	
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design	0	1,500					1,500	1,500
Construction	6			10,000	15,000		25,000	25,006
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>6</b>	<b>1,500</b>		<b>10,000</b>	<b>15,000</b>		<b>26,500</b>	<b>26,506</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	6	1,500		10,000	15,000		26,500	26,506
<b>Total Funds</b>	<b>6</b>	<b>1,500</b>		<b>10,000</b>	<b>15,000</b>		<b>26,500</b>	<b>26,506</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Surface Water Transmission Program		Project No.		S-000900		
<b>Project Description</b>						
Project program provides for the design and construction of transmission and distribution lines to convey treated water from surface water facilities.		<b>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	V	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project 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.		Units:	0			
		Start Year:	2007			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land	64	4,600	2,138				6,738	6,802
Design	45,218	14,694	4,742	9,015	7,387	6,428	42,266	87,484
Construction	121,986	40	74,947	13,196	102,530	37,840	228,553	350,539
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>167,268</b>	<b>19,334</b>	<b>81,827</b>	<b>22,211</b>	<b>109,917</b>	<b>44,268</b>	<b>277,557</b>	<b>444,825</b>
<b>Source of Funds</b>								
8319 - PWE-W & S Contributed CAP	2,888	6,652	18,542	4,142	53,863	24,885	108,084	110,972
8500 - PWE-W&S Syst Consolidating Constr Fd	164,380	12,682	63,285	18,069	56,054	19,383	169,473	333,853
<b>Total Funds</b>	<b>167,268</b>	<b>19,334</b>	<b>81,827</b>	<b>22,211</b>	<b>109,917</b>	<b>44,268</b>	<b>277,557</b>	<b>444,825</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Condition Assessment and Rehabilitation		Project No.		S-000901		
<b>Project Description</b>						
This program provides for inspection, rehabilitation, and replacement of large diameter water lines.		<b>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	v	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project 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.		Units:	0			
		Start Year:	2007			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design								
Construction	13,010	8,200				8,200	21,210	
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>13,010</b>	<b>8,200</b>				<b>8,200</b>	<b>21,210</b>	
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	13,010	8,200				8,200	21,210	
<b>Total Funds</b>	<b>13,010</b>	<b>8,200</b>				<b>8,200</b>	<b>21,210</b>	

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Raw Water Transmission Lines		Project No.		S-000902		
<b>Project Description</b>						
This program provides for the design and construction of raw water transmission lines to convey raw water to water purification facilities.		<b>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	V	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project Justification</b>						
This program is required to ensure that water purification plants are supplied with raw water in order to meet demand for purified water.		Units:	0			
		Start Year:				
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design		920					920	920
Construction				6,035		9,315	15,350	15,350
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>		<b>920</b>		<b>6,035</b>		<b>9,315</b>	<b>16,270</b>	<b>16,270</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd		920		6,035		9,315	16,270	16,270
<b>Total Funds</b>		<b>920</b>		<b>6,035</b>		<b>9,315</b>	<b>16,270</b>	<b>16,270</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Automatic Meter Reading Program		Project No.		S-000956		
<b>Project 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>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	V	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project Justification</b>						
The program reduces manpower and allow monitoring water consumption on demand to reduce unaccounted water.		Units:	0			
		Start Year:	2007			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design								
Construction	4,250							4,250
Equipment Acquisition	5,384	<b>2,275</b>	631	642	635	650	4,833	10,217
Salary Recovery	5,521							5,521
Other								
<b>Total Allocation</b>	<b>15,155</b>	<b>2,275</b>	<b>631</b>	<b>642</b>	<b>635</b>	<b>650</b>	<b>4,833</b>	<b>19,988</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	15,155	<b>2,275</b>	631	642	635	650	4,833	19,988
<b>Total Funds</b>	<b>15,155</b>	<b>2,275</b>	<b>631</b>	<b>642</b>	<b>635</b>	<b>650</b>	<b>4,833</b>	<b>19,988</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Meter Replacement & Upgrade Program		Project No.		S-000958		
<b>Project Description</b>						
This program provides removal, replacement, and upgrade of water meters to get accurate readings.		<b>City Council District</b>				
		Location	V	Address Descr 2:		
		Served:	V	Zip Codes:		
		Key Map:	V	Category:		
		Location Code:	UA-00	Sub-Category:		
<b>Project Justification</b>						
Replacement of the meters has been determined to be more cost effective than retrofitting the old meters and would increase annual revenues.		Units:	0			
		Start Year:	2007			
		RCC Total	\$	RCA Total	\$	

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design								
Construction								
Equipment Acquisition	0	558	2,904	2,953	2,960	3,000	12,375	12,375
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>0</b>	<b>558</b>	<b>2,904</b>	<b>2,953</b>	<b>2,960</b>	<b>3,000</b>	<b>12,375</b>	<b>12,375</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	0	558	2,904	2,953	2,960	3,000	12,375	12,375
<b>Total Funds</b>	<b>0</b>	<b>558</b>	<b>2,904</b>	<b>2,953</b>	<b>2,960</b>	<b>3,000</b>	<b>12,375</b>	<b>12,375</b>

**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Pump Station Program		Project No.		S-001000	
<b>Project 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>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	V	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
This program is necessary to meet the water system capacity requirements by the TCEQ and Annual State Inspection.		Units:	0		
		Start Year:	2007		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design	10,102	<b>9,200</b>					9,200	19,302
Construction	30,469	<b>8,988</b>	8,316	17,502	16,538	6,210	57,554	88,023
Equipment Acquisition	3,438							3,438
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>44,009</b>	<b>18,188</b>	<b>8,316</b>	<b>17,502</b>	<b>16,538</b>	<b>6,210</b>	<b>66,754</b>	<b>110,763</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	44,009	<b>18,188</b>	8,316	17,502	16,538	6,210	66,754	110,763
<b>Total Funds</b>	<b>44,009</b>	<b>18,188</b>	<b>8,316</b>	<b>17,502</b>	<b>16,538</b>	<b>6,210</b>	<b>66,754</b>	<b>110,763</b>



**2014-2018 CAPITAL IMPROVEMENT PLAN (\$ Thousands)**

**CITY OF HOUSTON - WATER UTILITY SYSTEM FACILITIES**

Project: Water Substitute Service Program		Project No.		S-002015	
<b>Project 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>City Council District</b>			
		Location	V	Address Descr 2:	
		Served:	V	Zip Codes:	
		Key Map:	V	Category:	
		Location Code:	UA-00	Sub-Category:	
<b>Project Justification</b>					
The program is required to provide better service to customers with minimal disruption and lower maintenance costs.		Units:	0		
		Start Year:	2013		
		RCC Total	\$	RCA Total	\$

Project Allocation	Previous Appropriations						2014-2018	Project Total
		2014	2015	2016	2017	2018		
Planning								
Acquisition-Land								
Design								
Construction	1,360	1,311	299	844	245	514	3,213	4,573
Equipment Acquisition								
Salary Recovery								
Other								
<b>Total Allocation</b>	<b>1,360</b>	<b>1,311</b>	<b>299</b>	<b>844</b>	<b>245</b>	<b>514</b>	<b>3,213</b>	<b>4,573</b>
<b>Source of Funds</b>								
8500 - PWE-W&S Syst Consolidating Constr Fd	1,360	1,311	299	844	245	514	3,213	4,573
<b>Total Funds</b>	<b>1,360</b>	<b>1,311</b>	<b>299</b>	<b>844</b>	<b>245</b>	<b>514</b>	<b>3,213</b>	<b>4,573</b>