

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Southeast Water Purification Plant Expansion/Improvements	Council District					CIP No.: S-000012 (PROPOSED)	
	Location: E	Served: ALL					
	Geographic Ref.: 5952-0507	Key Map: 577R		Neighborhood: N/A			
Description: This project will increase the capacity of the Southeast Water Purification Plant by providing for Interim Expansion, Filter Rate Study, Chemical Storage Improvements, secure Signal and Railroad Tracks, Railway Right of Way Acquisition. 80 MGD expansion. Justification: To obtain TCEQ approval of the capacity rating increase.	Operational and Maintenance Costs: (\$ Thousands)						
		<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
Total							
FTEs							
Project Allocation	Estimated 2010	Fiscal Year Planned Appropriations					Project Total
		2011	2012	2013	2014	2015	
Acquisition							
Design	1,980	850	1,200			4,030	
Construction			3,000	2,500	4,000	2,000	11,500
Equipment							
Civic Art							
Other							
Total Allocations	1,980	850	4,200	2,500	4,000	2,000	15,530
Source of Funds							
Fund 8319 - Water & Sewer Contributed Capital Fund							
Fund 8330 - Water & Sewer Ren. & Rep. Fund							
Fund 8500 - Water & Sewer Cons. Const. Fund	1,980	850	4,200	2,500	4,000	2,000	15,530
Total Funds	1,980	850	4,200	2,500	4,000	2,000	15,530

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Miscellaneous and Emergency Needs (Acquisition, Engineering, Construction, and Legal)	Council District					CIP No.: S-000019 (PROPOSED)	
	Location: ALL				Served: ALL		
	Geographic Ref.: N/A				Key Map: N/A		Neighborhood: N/A
Description: This project provides for unforeseen miscellaneous and emergency needs for acquisition, engineering services, construction, and legal services required in conjunction with various projects and activities. Justification: This project is needed to provide for unforeseen costs.	Operational and Maintenance Costs: (\$ Thousands)						
		<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
Total							
FTEs							
Project Allocation	Estimated 2010	Fiscal Year Planned Appropriations					Project Total
		2011	2012	2013	2014	2015	
Acquisition	419	250					669
Design	100						100
Construction	424						424
Equipment							
Civic Art							
Other		3,950	3,000	1,310	3,000	2,980	14,240
Total Allocations	943	4,200	3,000	1,310	3,000	2,980	15,433
Source of Funds							
Fund 8500 - Water & Sewer Cons. Const. Fund	943	4,200	3,000	1,310	3,000	2,980	15,433
Total Funds	943	4,200	3,000	1,310	3,000	2,980	15,433

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Neighborhood Renewal: Master Categorical - Water Mains		Council District					CIP No.:	
		Location: ALL	Served: ALL			S-000035		
		Geographic Ref.: N/A	Key Map: N/A			(PROPOSED)		
		Neighborhood: N/A						
Description: This project provides for the design and construction of replacement distribution mains and upgrades small mains which have documented maintenance problems.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: This project will improve customer service, water quality, system reliability and assures compliance with TCEQ rules.			2011	2012	2013	2014	2015	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design		8,507	10,000	10,000	8,000	8,000	8,000	52,507
Construction		14,706	48,900	42,000	44,000	54,500	54,000	258,106
Equipment								
Civic Art								
Other								
Total Allocations		23,213	58,900	52,000	52,000	62,500	62,000	310,613
Source of Funds								
Fund 8319 - Water & Sewer Contributed Capital Fund								
Fund 8500 - Water & Sewer Cons. Const. Fund		23,213	58,900	52,000	52,000	62,500	62,000	310,613
Total Funds		23,213	58,900	52,000	52,000	62,500	62,000	310,613

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Corrosion Prevention and Rehabilitation Program		Council District					CIP No.:	
		Location: ALL	Served: ALL			S-000037		
		Geographic Ref.: N/A	Key Map: N/A			(PROPOSED)		
		Neighborhood: N/A						
Description: This project includes the design, investigation and subsequent corrosion protection on existing water lines. This includes the protective coatings on Aerial Crossings as well as the cathodic protection of main lines.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: This project 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	2011	2012	2013	2014	2015	
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design			1,750	1,750	1,750	1,750	1,750	8,750
Construction								
Equipment								
Civic Art								
Other								
Total Allocations			1,750	1,750	1,750	1,750	1,750	8,750
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund			1,750	1,750	1,750	1,750	1,750	8,750
Total Funds			1,750	1,750	1,750	1,750	1,750	8,750

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: East Water Purification Plant Upgrade and Optimization		Council District					CIP No.: S-000056 (PROPOSED)	
		Location: I	Served: ALL			Neighborhood: N/A		
		Geographic Ref.: 5756-1311	Key Map: 496Y					
Description: This project upgrades and optimizes the East Water Plant to comply with Federal and State regulations and to increase the capacity and reliability of the plant to meet immediate and future needs of the City and its customers.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: This project is required to meet the requirements of the Safe Drinking Water Act and TCEQ.			<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design		1,955	6,050					8,005
Construction		3,106	11,530	11,000	20,000	7,000		52,636
Equipment								
Civic Art								
Other								
Total Allocations		5,061	17,580	11,000	20,000	7,000		60,641
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund		5,061	17,580	11,000	20,000	7,000		60,641
Total Funds		5,061	17,580	11,000	20,000	7,000		60,641

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Northeast Water Purification Plant		Council District					CIP No.: S-000066 (PROPOSED)	
		Location: B	Served: ALL			Neighborhood: N/A		
		Geographic Ref.: 5865-0203	Key Map: 377X					
Description: This project consists of evaluation, site preparation, design, and construction of the Northeast Plant and plant improvements.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: This project is required to supply surface water to zone 3 to comply with Harris - Galveston Coastal Subsidence District (HGCSO) regulations.			<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design		840	3,200	15,000	15,000			34,040
Construction			1,500	10,500	5,000	68,500		85,500
Equipment								
Civic Art								
Other								
Total Allocations		840	4,700	25,500	20,000	68,500		119,540
Source of Funds								
Fund 8319 - Water & Sewer Contributed Capital Fund				10,500	10,500	42,000		63,000
Fund 8500 - Water & Sewer Cons. Const. Fund		840	4,700	15,000	9,500	26,500		56,540
Total Funds		840	4,700	25,500	20,000	68,500		119,540

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Water Well Rework Categorical Project		Council District					CIP No.:	
		Location: ALL	Served: ALL			S-000200		
		Geographic Ref.: N/A	Key Map: N/A			(PROPOSED)		
		Neighborhood: N/A						
Description: This project provides for the rehabilitation of existing water wells to extend service life, improve water quality and reduce maintenance costs.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: This project is necessary in order to meet system demands and improve reliability.			2011	2012	2013	2014	2015	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design		221	350	350	250	250	250	1,671
Construction			5,000	3,000	2,000	2,000	2,000	14,000
Equipment								
Civic Art								
Other								
Total Allocations		221	5,350	3,350	2,250	2,250	2,250	15,671
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund		221	5,350	3,350	2,250	2,250	2,250	15,671
Total Funds		221	5,350	3,350	2,250	2,250	2,250	15,671

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Metro Project - Utility Relocation		Council District					CIP No.:	
		Location: All		Served: All			S-000442	
		Geographic Ref.: N/A		Key Map: N/A			(PROPOSED)	
				Neighborhood: N/A				
Description: This project provides for replacement and/or relocation of City's water line on Metro rail corridors.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: This project is necessary in order to avoid the impact of City's water main by Metro rail corridors.				<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design			560					560
Construction				4,000				4,000
Equipment								
Civic Art								
Other								
Total Allocations			560	4,000				4,560
Source of Funds								
Proposed Metropolitan Transit Authority			560	4,000				4,560
Total Funds			560	4,000				4,560

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Utility Improvements Under Street & Bridge and Storm Drainage CIP Projects	Council District					CIP No.: S-000500 (PROPOSED)	
	Location: ALL				Served: ALL		
	Geographic Ref.: N/A				Key Map: N/A		Neighborhood: N/A
Description: To provide utility improvements under Street & Bridge and Storm Drainage CIP projects. Justification: To coordinate the utility improvement with Street & Bridge and Storm Drainage CIP projects for cost effectiveness and to minimize the disturbance to the citizens.	Operational and Maintenance Costs: (\$ Thousands)						
		<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
Total							
FTEs							
Project Allocation	Estimated 2010	Fiscal Year Planned Appropriations					Project Total
		2011	2012	2013	2014	2015	
Acquisition							
Design							
Construction	4,777	4,780	7,720	4,440	5,660	5,200	32,577
Equipment							
Civic Art							
Other							
Total Allocations	4,777	4,780	7,720	4,440	5,660	5,200	32,577
Source of Funds							
Fund 8500 - Water & Sewer Cons. Const. Fund	4,777	4,780	7,720	4,440	5,660	5,200	32,577
Total Funds	4,777	4,780	7,720	4,440	5,660	5,200	32,577

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Water Main Replacement - Governmental Agencies		Council District					CIP No.:	
		Location: ALL	Served: ALL			S-000521		
		Geographic Ref.: N/A	Key Map: N/A			(PROPOSED)		
		Neighborhood: N/A						
Description: This project provides for the design and construction of water distribution mains replacement in coordination with projects by other governmental agencies.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: This project is to coordinate projects with other governmental agencies to minimize disturbance to the neighborhood and reduce cost.			2011	2012	2013	2014	2015	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design								
Construction		722	2,360	2,000	2,000	2,000	2,000	
Equipment								
Civic Art								
Other								
Total Allocations		722	2,360	2,000	2,000	2,000	2,000	
Source of Funds								
Fund 8319 - Water & Sewer Contributed Capital Fund								
Fund 8500 - Water & Sewer Cons. Const. Fund		722	2,360	2,000	2,000	2,000	2,000	
Total Funds		722	2,360	2,000	2,000	2,000	2,000	

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Plant Consolidation		Council District					CIP No.:	
		Location: ALL	Served: ALL			S-000536		
		Geographic Ref.: N/A	Key Map: N/A			(PROPOSED)		
		Neighborhood: N/A						
Description: This project provides decommission of ground water facilities as the result of the Surface Water Conversion and Regionalization.		Operational and Maintenance Costs: (\$ Thousands)						
			<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
Justification: This project will improve efficiency of the Utility Operation.		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design								
Construction		1,076	1,500	1,000	1,000		4,576	
Equipment								
Civic Art								
Other								
Total Allocations		1,076	1,500	1,000	1,000		4,576	
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund		1,076	1,500	1,000	1,000		4,576	
Total Funds		1,076	1,500	1,000	1,000		4,576	

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Storage Tank Rehabilitation Categorical Project	Council District					CIP No.: S-000600 (PROPOSED)		
	Location: ALL				Served: ALL			
	Geographic Ref.: N/A				Key Map: N/A		Neighborhood: N/A	
Description: This project provides for the inspection, rehabilitation and preventive maintenance of sixteen existing ground water storage tanks. Justification: This project is necessary to meet the water storage capacity requirement of the TCEQ and the Annual State Inspection.	Operational and Maintenance Costs: (\$ Thousands)							
		<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>		
	Personnel							
	Supplies							
	Svcs. & Chgs.							
Capital Outlay								
Property Mgmt.								
Total								
FTEs								
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations				Project Total	
			2011	2012	2013	2014	2015	
Acquisition								
Design		330	2,300		2,000		2,000	6,630
Construction		1,380	8,700		7,000		4,000	21,080
Equipment								
Civic Art								
Other								
Total Allocations		1,710	11,000		9,000		6,000	27,710
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund		1,710	11,000		9,000		6,000	27,710
Total Funds		1,710	11,000		9,000		6,000	27,710

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Grid Extensions Categorical Project		Council District					CIP No.: S-000700 (PROPOSED)	
		Location: ALL	Served: ALL					
		Geographic Ref.: N/A	Key Map: N/A			Neighborhood: N/A		
Description: This project provides for the design and construction of water main extension projects to improve circulation and fire protection in redeveloping areas.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: Project required for City to provide quality service and improve system reliability.			2011	2012	2013	2014	2015	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design			800		500		500	1,800
Construction			1,500		3,000		1,500	6,000
Equipment								
Civic Art								
Other								
Total Allocations			2,300		3,500		2,000	7,800
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund			2,300		3,500		2,000	7,800
Total Funds			2,300		3,500		2,000	7,800

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Work Order Rehabilitation & Replacement of Large Diameter Water Lines (16-inch and larger)	Council District					CIP No.: S-000701 (PROPOSED)		
	Location: ALL	Served: ALL						
	Geographic Ref.: N/A	Key Map: N/A			Neighborhood: N/A			
Description: This project provides for the repair and replacement of waterlines and valves equal to or larger than 16-inch in diameter in the distribution system with a work order contract. Justification: This project 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.	Operational and Maintenance Costs: (\$ Thousands)							
		<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>		
	Personnel							
	Supplies							
	Svcs. & Chgs.							
	Capital Outlay							
Property Mgmt.								
Total								
	FTEs							
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design								
Construction		1,528	2,000	2,000	2,000	2,000	2,000	11,528
Equipment								
Civic Art								
Other								
Total Allocations		1,528	2,000	2,000	2,000	2,000	2,000	11,528
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund		1,528	2,000	2,000	2,000	2,000	2,000	11,528
Total Funds		1,528	2,000	2,000	2,000	2,000	2,000	11,528

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Valve Replacement & Installation		Council District					CIP No.:	
		Location: ALL	Served: ALL			S-000702		
		Geographic Ref.: N/A	Key Map: N/A			(PROPOSED)		
		Neighborhood: N/A						
Description: This project provides for the inspection and replacement of missing or broken valves on the large diameter lines.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: The Water Distribution system will not function properly without the valves.			2011	2012	2013	2014	2015	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design								
Construction		949	3,000	3,000	3,000	3,000	3,000	
Equipment								
Civic Art								
Other								
Total Allocations		949	3,000	3,000	3,000	3,000	3,000	
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund		949	3,000	3,000	3,000	3,000	3,000	
Total Funds		949	3,000	3,000	3,000	3,000	3,000	

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Sponsor Participation-Water Mains Categorical Project (Residential & Commercial, previous S-000800 and S-000802)	Council District					CIP No.: S-000800 (PROPOSED)		
	Location: ALL	Served: ALL						
	Geographic Ref.: N/A	Key Map: N/A			Neighborhood: N/A			
Description: This project provides for the funding of the City's share in construction of public water mains within subdivisions constructed within the City limits and for the cost difference to oversize projects to meet future demands. Justification: This project is necessary for the City to promote In-City development and to meet future demands.	Operational and Maintenance Costs: (\$ Thousands)							
		<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>		
	Personnel							
	Supplies							
	Svcs. & Chgs.							
Capital Outlay								
Property Mgmt.								
Total								
FTEs								
Project Allocation	Estimated 2010	Fiscal Year Planned Appropriations					Project Total	
		2011	2012	2013	2014	2015		
Acquisition								
Design								
Construction		12,500	12,500	12,500	12,500	12,500	62,500	
Equipment								
Civic Art								
Materials								
Total Allocations		12,500	12,500	12,500	12,500	12,500	62,500	
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund		12,500	12,500	12,500	12,500	12,500	12,500	62,500
Total Funds		12,500	12,500	12,500	12,500	12,500	12,500	62,500

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Providing Water Service To Areas Inside The City That Are Unserved	Council District					CIP No.: S-000801 (PROPOSED)	
	Location: ALL				Served: ALL		
	Geographic Ref.: N/A				Key Map: N/A		Neighborhood: N/A
Description: To design and construct 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. Justification: 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 .	Operational and Maintenance Costs: (\$ Thousands)						
		<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
Total							
FTEs							
Project Allocation	Estimated 2010	Fiscal Year Planned Appropriations					Project Total
		2011	2012	2013	2014	2015	
Acquisition							
Design							
Construction	275	300	300	300	300	300	1,775
Equipment							
Civic Art							
Other							
Total Allocations	275	300	300	300	300	300	1,775
Source of Funds							
Fund 8500 - Water & Sewer Cons. Const. Fund	275	300	300	300	300	300	1,775
Total Funds	275	300	300	300	300	300	1,775

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Surface Water Transmission		Council District					CIP No.: S-000900 (PROPOSED)	
		Location: ALL	Served: ALL					
		Geographic Ref.: N/A	Key Map: N/A			Neighborhood: N/A		
Description: Project provides for the design and construction of major water distribution lines to convey treated water from surface water facilities. This project is part of the City's long range water supply plan.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: Project is required to comply with the subsidence requirement and to implement City's regionalization plan.			2011	2012	2013	2014	2015	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design		4,492	7,600	6,950	5,700	9,100	7,200	41,042
Construction		17,468	16,610	44,130	40,310	29,700	63,710	211,928
Equipment								
Civic Art								
Other								
Total Allocations		21,960	24,210	51,080	46,010	38,800	70,910	252,970
Source of Funds								
Fund 8319 - Water & Sewer Contributed Capital Fund		1,119						1,119
Fund 8500 - Water & Sewer Cons. Const. Fund		20,841	24,210	51,080	46,010	38,800	70,910	251,851
Total Funds		21,960	24,210	51,080	46,010	38,800	70,910	252,970

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Large Diameter Water Lines Inspection, Replacement, and Rehabilitation	Council District					CIP No.: S-000901 (PROPOSED)	
	Location: ALL				Served: ALL		
	Geographic Ref.: N/A				Key Map: N/A		Neighborhood: N/A
Description: This project provides for Inspection, rehabilitation, and replacement of Large Diameter Water Lines. Justification: Repair and provide preventive maintenance for Large Diameter Mains built many years ago.	Operational and Maintenance Costs: (\$ Thousands)						
		<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
	Personnel						
	Supplies						
	Svcs. & Chgs.						
Capital Outlay							
Property Mgmt.							
Total							
FTEs							
Project Allocation	Estimated 2010	Fiscal Year Planned Appropriations					Project Total
		2011	2012	2013	2014	2015	
Acquisition							
Design		1,750	1,750	1,750	1,750	1,750	8,750
Construction		5,350	4,600	4,750	5,250	5,000	24,950
Equipment							
Civic Art							
Other							
Total Allocations		7,100	6,350	6,500	7,000	6,750	33,700
Source of Funds							
Fund 8500 - Water & Sewer Cons. Const. Fund		7,100	6,350	6,500	7,000	6,750	33,700
Total Funds		7,100	6,350	6,500	7,000	6,750	33,700

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Well Collection and Line Flow Meter Program		Council District					CIP No.:	
		Location: All		Served: All			S-000936	
		Geographic Ref.: N/A		Key Map: N/A			(PROPOSED)	
				Neighborhood: N/A				
Description: This project provides for the repair and improvement of the damaged/leaking well collection lines of the groundwater wells. This would also provide for design and installation of new plant discharge flow meters, and well collection flow meters.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: This project also includes a freeze protection package. Improve accuracy of flow measurement to provide support documents to the HGCSO. This would also meet TCEQ requirement.				<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design			500					500
Construction				1,000				1,000
Equipment								
Civic Art								
Other								
Total Allocations			500	1,000				1,500
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund			500	1,000				1,500
Total Funds			500	1,000				1,500

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Automatic Meter Reading Project		Council District					CIP No.:	
		Location: ALL	Served: ALL			S-000956		
		Geographic Ref.:			Key Map:		(PROPOSED)	
		Neighborhood:						
Description: This project provides for the purchase and installation of 430,000 radio frequency automated meter reading devices and Mobile Data Command System to read meters.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: The system would reduce manpower and allow monitoring water consumption on demand to reduce unaccounted water.			2011	2012	2013	2014	2015	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design								
Construction								
Equipment		2,500	4,670	2,900	2,900	2,200	600	15,770
Civic Art								
Other								
Total Allocations		2,500	4,670	2,900	2,900	2,200	600	15,770
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund		2,500	4,670	2,900	2,900	2,200	600	15,770
Total Funds		2,500	4,670	2,900	2,900	2,200	600	15,770

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Meter Replacement / Upgrade Project		Council District					CIP No.:	
		Location: All	Served: All			S-000958		
		Geographic Ref.: N/A	Key Map: N/A			(PROPOSED)		
		Neighborhood: N/A						
Description: Meter replacement/upgrade will include the removal of old meters and replacement with new ones to get accurate readings and thus would increase annual revenues.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: Replacement of the meters has been determined to be more cost effective than retrofitting the old meters.			<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design								
Construction								
Equipment		1,200	360	540	540	540	2,760	5,940
Civic Art								
Other								
Total Allocations		1,200	360	540	540	540	2,760	5,940
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund		1,200	360	540	540	540	2,760	5,940
Total Funds		1,200	360	540	540	540	2,760	5,940

2011-2015 CAPITAL IMPROVEMENT PLAN (\$ Thousands)

CITY OF HOUSTON - Water

Project: Pump Station Upgrade		Council District					CIP No.: S-001000 (PROPOSED)	
		Location: ALL	Served: ALL					
		Geographic Ref.: N/A	Key Map: N/A			Neighborhood: N/A		
Description: This project provides for the rehabilitation of pump stations. Improvements include renovations, individual pump installation, replacement of electrical switchgear, generators, valves, meters, motors, pumps, lead abatement, site demolition, and roadway.		Operational and Maintenance Costs: (\$ Thousands)						
Justification: This project is necessary to meet the water system capacity requirements by the TCEQ and Annual State inspection.			2011	2012	2013	2014	2015	
		Personnel						
		Supplies						
		Svcs. & Chgs.						
		Capital Outlay						
		Property Mgmt.						
		Total						
		FTEs						
Project Allocation		Estimated 2010	Fiscal Year Planned Appropriations					Project Total
			2011	2012	2013	2014	2015	
Acquisition								
Design			1,250	400				1,650
Construction			13,000	3,000	2,000	4,000		22,000
Equipment								
Civic Art								
Other								
Total Allocations			14,250	3,400	2,000	4,000		23,650
Source of Funds								
Fund 8500 - Water & Sewer Cons. Const. Fund			14,250	3,400	2,000	4,000		23,650
Total Funds			14,250	3,400	2,000	4,000		23,650