



2011-2012 CAPITAL BUDGET

**2012-2016 CAPITAL
IMPROVEMENT PROGRAM**

**ENVIRONMENTAL
AND
UTILITY SERVICES
CSA**

**ENVIRONMENTAL AND
UTILITY SERVICES CSA**

City Service Area Environmental and Utility Services



Lamplighter Project



Digester Rehabilitation Project

Mission: Provide environmental leadership through policy development, program design, and reliable utility services.

The Sanitary Sewer System Capital Improvement Program (CIP) constructs sewer improvement projects that enhance sewer capacity to meet economic development goals and rehabilitates existing sewers to minimize sanitary sewer overflows.

The Storm Sewer System CIP continues a multi-year strategy to replace or rehabilitate the oldest and least reliable pump stations to reduce the risk of local flooding during storm events. The program also addresses the drainage needs in residential neighborhoods, neighborhood business districts, and walking routes to schools and public facilities. Major investments include development of a city-wide master plan and projects to comply with the City's stormwater permit.

The Water Pollution Control Plant is a regional wastewater treatment facility that serves seven tributary sewage collection agencies. The Water Pollution Control CIP is responsible for planning, designing, and constructing new wastewater treatment and water reuse facilities. The Plant Master Plan, of which the Preferred Alternative was adopted by the City Council in April 2011, will accommodate planned growth, rehabilitate and replace infrastructure, and meet existing and anticipated regulatory requirements during the next 30 years.

The Water Utility System CIP ensures reliable utility infrastructure for the San José Municipal Water System and includes the construction of new facilities, maintenance of existing infrastructure, and improvements to existing facilities.

CSA CAPITAL PROGRAMS

- Sanitary Sewer System
- Storm Sewer System
- Water Pollution Control
- Water Utility System

Recent Accomplishments

- Sanitary Sewer System CIP:
 - Downer Canoas Interceptor Rehabilitation – renewed 8,650 feet of 42-inch and 48-inch diameter pipes (completed in Feb. 2011)
 - Sanitary Sewer Capacity Assessment Phase II – completed development, update, and calibration of the sewer hydraulic model for city sewer service area
- Storm Sewer System CIP:
 - Albany-Kiely Storm Drainage Improvement, Phase III/IV and V/VI – installed reinforced concrete pipe and corrugated pipe, constructed new manholes, storm inlets, and laterals
- Water Pollution Control CIP:
 - Alternative Disinfection Project – replaced gaseous chlorine and sulfur dioxide disinfection system with liquid sodium hypochlorite and liquid sodium bisulfate system (completed in Feb. 2011)
 - Headworks No. 2 Immediate Improvements – washer compactor modified, pulse air system installed, chimney structure channel modified
- Water Utility System CIP:
 - Aborn Turnout Modifications – removed and replaced existing infrastructure with enhanced control and operational abilities (completed in April 2011)

Program Highlights

Sanitary Sewer System Capital Program

2012-2016 Adopted CIP: \$212.4 million

Neighborhood Sanitary Sewer Rehabilitation Projects:

- Almaden Supplement Sewer Rehabilitation
- Condition Assessment Sewer Repairs
- Monterey - Riverside Sanitary Sewer, Phase V
- Rehabilitation of Sanitary Sewer Pump Stations

Sanitary Sewer Interceptor/Capacity Improvement Projects:

- 60-inch Brick Interceptor - Phase VIA and VIB
- Coleman Road Sanitary Sewer Improvements
- Lamplighter Relief Pump Station and Force Main
- Monterey-Riverside Relief Sanitary Sewer

Storm Sewer System Capital Program

2012-2016 Adopted CIP: \$33.1 million

- City-wide Storm Sewer Master Plan
- Gold Street Storm Drainage Improvements
- Willow Glen – Guadalupe, Phase III
- Upper and Lower Bird Avenue Storm Sewer Improvements

Water Pollution Control Capital Program

2012-2016 Adopted CIP: \$426.7 million

- East Primary Concrete Tank Repair and Stainless Steel Conversion
- Digester Rehabilitation
- Headworks Enhancement
- Plant Electrical Reliability

Water Utility System Capital Program

2012-2016 Adopted CIP: \$22.3 million

- Bon Bon Drive Main Replacement
- Castleton Drive Main Replacement
- Nortech Parkway East Loop Main

CSA OUTCOMES

(Supported by the Capital Programs)

- ✓ Reliable Utility Infrastructure
- ✓ Healthy Streams, Rivers, Marsh and Bay
- ✓ Safe, Reliable and Sufficient Water Supply

City Service Area

Environmental and Utility Services

Performance Measures

A set of consistent and comprehensive performance measurements along with targets and goals have been established for the entire capital program and adopted for each individual CSA. Measures focus on schedule (cycle time) and project delivery cost. Please see the Budget Guide section narrative for additional information on capital performance measurements.

Outcome: Quality CIP Projects Delivered On-Time and On-Budget

Strategic Goals	CSA Performance Measures	2009-2010 Actual	2010-2011 Target	2010-2011 Estimate	2011-2012 Target	5-Year Goal
Environmental and Utility Services CSA delivers quality Capital Improvement Program (CIP) projects on-time and on-budget	1. % of CIP projects delivered* within 2 months of approved baseline schedule	81% (22/27)	85%	84% (26/31)	85%	85%
	2. % of CIP projects that are completed within the approved baseline budget**	100% (16/16)	90%	91% (20/22)	90%	90%

Changes to Performance Measures from 2010-2011 Adopted Budget: Yes¹

* Projects are considered to be "delivered" when they are available for their intended use.

** Projects are considered "completed" when final cost accounting has occurred and the project has been accepted; projects are considered "on budget" when the total expenditures do not exceed 101% of the baseline budget.

¹ Changes to performance measures from 2010-2011 Adopted Budget:

✘ "% of operations and maintenance divisions rating new or rehabilitated capital facilities as being functional and sustainable after first year of use" and "% of customers rating new or rehabilitated CIP projects as meeting established goals (4 or better based on a scale of 1-5)" were deleted because the data for the surveys are often limited or not applicable, particularly if the project is not constructing or rehabilitating a facility, does not necessarily represent a sufficient sample size, or requires substantial staff time to gather the information.

In 2010-2011, the Environmental and Utility Services CSA is estimated to deliver 26 of 31 (84%) projects within two months of the approved baseline schedule, just short of the performance target of 85%. Some of the notable capital projects completed in 2010-2011 include the Downer - Canoas Interceptor Rehabilitation – a \$3.1 million project that rehabilitated over 1.5 miles of sanitary sewer main, the SJ-19 Airport Main Extension that extended a recycled water main to the Airport, the North First Street-Grand Boulevard Storm Drain Improvement that improved drainage along a problematic area of the North First Street-Alviso corridor, and the early earthworks for the South Bay Advanced Recycled Water Treatment Facility Project which installed the foundation for a new water treatment facility to improve the quality of recycled water. Additionally, three multi-phased projects (SJ-20, 21, and 25) extended recycled water lines on sections of East Santa Clara, Taylor, Spring, and Walnut Streets, as well as McLaughlin Avenue and other streets to support San José schools.

In 2010-2011, an estimated 20 of 22 (91%) of the projects either have been or are expected to be completed within their baseline budgets, meeting the one-year performance target of 90%. The CSA continues to work to strengthen the alignment of project scopes, schedules, and budgets, while also accounting for external market conditions that may affect the delivery of capital projects. Staff relies heavily on the cost estimating and tracking tools that are available through the City's Capital Project Management System (CPMS). These tools allow project management staff to effectively track project costs on an ongoing basis and assist in ensuring that expenditures remain within budgeted levels.

Capital Program Summary by City Service Area

Environmental and Utility Services

	2011-2012 Budget	2012-2016 CIP Budget	Total Budget (All Years)	Start Date	End Date
Sanitary Sewer System					
30" Old Bayshore Rehabilitation	805,000	805,000	885,000	3rd Qtr. 2010	2nd Qtr. 2012
30" Old Bayshore Supplement	4,558,000	5,188,000	5,340,000	3rd Qtr. 2008	2nd Qtr. 2013
60" Brick Interceptor, Phase VIA and VIB	225,000	36,425,000	73,744,382	3rd Qtr. 2009	2nd Qtr. 2013
Almaden Expressway Sanitary Sewer Improvements	3,468,000	3,468,000	3,620,000	3rd Qtr. 2010	2nd Qtr. 2012
Almaden Supplement Sewer Rehabilitation (North)	2,170,000	2,170,000	2,270,000	3rd Qtr. 2010	2nd Qtr. 2012
Bollinger Road - Blaney Avenue Sanitary Sewer Improvement		1,250,000	5,424,000	3rd Qtr. 2015	2nd Qtr. 2018
Capital Program and Public Works Department Support Service Costs	1,334,000	4,810,000	*	Ongoing	Ongoing
Capitol Avenue Sanitary Sewer Improvements		1,675,000	1,675,000	3rd Qtr. 2012	2nd Qtr. 2014
Chesbro Avenue Sanitary Sewer Improvements		2,270,000	2,270,000	3rd Qtr. 2012	2nd Qtr. 2014
Coleman Road Sanitary Sewer Improvements	3,700,000	3,700,000	3,800,000	3rd Qtr. 2010	2nd Qtr. 2012
Condition Assessment Sewer Repairs	5,000,000	13,000,000	*	Ongoing	Ongoing
Cropley Avenue Sanitary Sewer Improvements	413,000	413,000	2,450,000	3rd Qtr. 2009	2nd Qtr. 2012
Curtner Avenue Sanitary Sewer Improvements		2,350,000	2,350,000	3rd Qtr. 2012	2nd Qtr. 2014
East Hills Drive - White Road Sanitary Sewer Improvement	244,000	2,458,000	2,458,000	3rd Qtr. 2011	2nd Qtr. 2013
Fee Administration	81,000	414,000	*	Ongoing	Ongoing
Flow Monitoring Program (Master Planning)	2,000,000	4,850,000	*	Ongoing	Ongoing
Fourth Major Interceptor, Phase IIB/IIIB	2,525,000	6,025,000	6,206,000	3rd Qtr. 2009	2nd Qtr. 2012
Fourth Major Interceptor, Phase VIIA		9,700,000	9,700,000	3rd Qtr. 2013	2nd Qtr. 2015
Gold Street Sanitary Sewer Extension	25,000	25,000	150,000	3rd Qtr. 2010	4th Qtr. 2011
Grease Control Pilot	230,000	230,000	250,000	3rd Qtr. 2010	2nd Qtr. 2011
Husted-Richland Sanitary Sewer Improvements	3,296,000	3,906,000	4,051,000	3rd Qtr. 2010	2nd Qtr. 2013
Hydrogen Peroxide Injection Station	45,000	45,000	227,000	3rd Qtr. 2006	2nd Qtr. 2013
Inflow and Infiltration Reduction	500,000	4,500,000	*	Ongoing	Ongoing
Infrastructure - Sanitary Sewer Condition Assessment	50,000	50,000	966,000	3rd Qtr. 2008	2nd Qtr. 2012
Infrastructure Management System	35,000	175,000	*	Ongoing	Ongoing
Interceptor Management Plan	140,000	140,000	249,000	3rd Qtr. 2009	2nd Qtr. 2012
Lampighter Relief Pump Station and Force Main		10,545,000	10,545,000	3rd Qtr. 2013	2nd Qtr. 2015
Mackey Avenue Sanitary Sewer Rehabilitation	1,295,000	1,295,000	1,350,000	3rd Qtr. 2010	2nd Qtr. 2012

Capital Program Summary by City Service Area

Environmental and Utility Services

	2011-2012 Budget	2012-2016 CIP Budget	Total Budget (All Years)	Start Date	End Date
Sanitary Sewer System (Cont'd.)					
Master Planning Updates	1,100,000	5,500,000		* Ongoing	Ongoing
Midtown Sanitary Sewer Improvements	200,000	200,000	222,000	3rd Qtr. 2010	2nd Qtr. 2012
Minnesota Avenue Sanitary Sewer Improvements	1,830,000	1,830,000	1,930,000	3rd Qtr. 2010	2nd Qtr. 2012
Miscellaneous Projects	4,000,000	8,000,000		* Ongoing	Ongoing
Miscellaneous Rehabilitation Projects	4,500,000	11,000,000		* Ongoing	Ongoing
Monterey-Riverside Relief Sanitary Sewer	365,000	3,665,000	3,665,000	3rd Qtr. 2011	2nd Qtr. 2013
Monterey-Riverside Sanitary Sewer, Phase V	402,000	3,732,000	3,732,000	3rd Qtr. 2011	2nd Qtr. 2013
Moorpark-Meridian Trunk Sewer Rehabilitation, Phase III	1,666,000	1,974,000	2,044,000	3rd Qtr. 2010	2nd Qtr. 2013
Morrill Avenue/Sierra Road Sanitary Sewer Improvements	535,000	535,000	2,055,000	3rd Qtr. 2009	2nd Qtr. 2012
Myrtle Avenue Sanitary Sewer Improvements	1,712,000	1,712,000	1,812,000	3rd Qtr. 2010	2nd Qtr. 2012
Naglee Avenue Sanitary Sewer Replacement	75,000	75,000	1,417,000	3rd Qtr. 2008	3rd Qtr. 2011
Newhall Sanitary Sewer Improvements		2,000,000	2,000,000	3rd Qtr. 2012	2nd Qtr. 2013
North San José Sanitary Sewer Improvements	225,000	225,000	256,000	3rd Qtr. 2010	2nd Qtr. 2012
Odor Control Pilot	185,000	185,000	200,000	3rd Qtr. 2010	2nd Qtr. 2011
Payments to West Valley Sanitation District	10,000	50,000		* Ongoing	Ongoing
Permit Review and Inspection for SCVWD	75,000	375,000		* Ongoing	Ongoing
Preliminary Engineering	700,000	3,500,000		* Ongoing	Ongoing
Program Management	400,000	2,000,000		* Ongoing	Ongoing
Public Art	87,000	861,000		* Ongoing	Ongoing
Public Works Engineering Services Equipment (Materials Lab)	40,000	200,000		* Ongoing	Ongoing
Race Street Sanitary Sewer Rehabilitation	462,000	462,000	537,000	3rd Qtr. 2010	2nd Qtr. 2012
Rehabilitation of Sanitary Sewer Pump Stations	2,900,000	8,900,000	9,499,000	3rd Qtr. 2008	2nd Qtr. 2014
Reinforced Concrete Pipe Rehabilitation Program	2,984,000	7,484,000		* Ongoing	Ongoing
Reserve for Rehabilitation and Repair	3,500,000	3,500,000	3,500,000	N/A	N/A
Rincon Avenue - Virginia Avenue Sanitary Sewer Improvement		800,000	3,559,000	3rd Qtr. 2015	2nd Qtr. 2018
Sanitary Sewer Condition Assessments - Phase II	3,925,000	10,925,000	11,999,000	3rd Qtr. 2009	2nd Qtr. 2012
Spreckles Sanitary Sewer Force Main Supplement	4,371,000	4,371,000	5,408,000	3rd Qtr. 2008	2nd Qtr. 2012
Stevens Creek Boulevard Sanitary Sewer Improvement		900,000	3,865,000	3rd Qtr. 2015	2nd Qtr. 2018
Transfer to the City Hall Debt Service Fund	317,000	1,735,000		* Ongoing	Ongoing

Capital Program Summary by City Service Area

Environmental and Utility Services

	2011-2012 Budget	2012-2016 CIP Budget	Total Budget (All Years)	Start Date	End Date
Sanitary Sewer System (Cont'd.)					
Transfer to the General Fund: Human Resources/Payroll System Upgrade	18,000	18,000	18,000	N/A	N/A
Transfer to the General Fund: Interest Income		16,000	*	Ongoing	Ongoing
University Avenue Sanitary Sewer Replacement	297,000	297,000	1,518,000	3rd Qtr. 2008	2nd Qtr. 2012
Total: Construction/Non-Construction	69,020,000	208,909,000			
Ending Fund Balance	36,827,584	3,449,584 **			
Total: Sanitary Sewer System	105,847,584	212,358,584 **			
Storm Sewer System					
Alviso Storm Network Infiltration Control	1,200,000	1,200,000	1,200,000	3rd Qtr. 2011	2nd Qtr. 2012
Camden/Graystone Storm Sewer Improvement	600,000	600,000	600,000	3rd Qtr. 2011	2nd Qtr. 2012
Capital Program and Public Works Department Support Service Costs	639,000	1,591,000	*	Ongoing	Ongoing
El Dorado Street Storm Sewer Improvements	490,000	490,000	600,000	3rd Qtr. 2010	2nd Qtr. 2012
Fee Administration	25,000	140,000	*	Ongoing	Ongoing
Flow Monitoring Program	120,000	120,000	213,000	3rd Qtr. 2010	2nd Qtr. 2012
Gateway East Storm Sewer Improvements	355,000	355,000	450,000	3rd Qtr. 2010	2nd Qtr. 2012
Gold Street Storm Drainage Improvements	380,000	380,000	500,000	3rd Qtr. 2010	2nd Qtr. 2012
Gold Street Storm Pump Station Force Main	920,000	920,000	920,000	3rd Qtr. 2011	2nd Qtr. 2012
Infrastructure Management System	70,000	98,000	*	Ongoing	Ongoing
Lincoln-Parkinson Storm Sewer Improvement		1,300,000	1,300,000	3rd Qtr. 2015	2nd Qtr. 2016
Lower Bird Avenue Storm Sewer Improvements	694,000	694,000	784,000	3rd Qtr. 2010	2nd Qtr. 2012
Minor Neighborhood Storm Sewer Improvements	500,000	2,700,000	*	Ongoing	Ongoing
Outfall Rehabilitation - Capital	400,000	1,300,000	*	Ongoing	Ongoing
Permit Review and Inspection for Outside Agencies	25,000	125,000	*	Ongoing	Ongoing
Preliminary Engineering	190,000	850,000	*	Ongoing	Ongoing
Program Management	190,000	710,000	*	Ongoing	Ongoing
Public Art	143,000	240,000	*	Ongoing	Ongoing
Public Works Stormwater Permit Training	80,000	80,000	160,000	3rd Qtr. 2010	2nd Qtr. 2012

Capital Program Summary by City Service Area

Environmental and Utility Services

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	2011-2012 Budget	2012-2016 CIP Budget	Total Budget (All Years)	Start Date	End Date
Storm Sewer System (Cont'd.)					
Ross-Guadalupe Storm Sewer Improvements		579,000	579,000	3rd Qtr. 2013	2nd Qtr. 2014
Storm Pump Station Rehabilitation and Replacement	1,600,000	2,800,000	*	Ongoing	Ongoing
Storm Sewer Improvements - Special Corridors	1,780,000	3,830,000	*	Ongoing	Ongoing
Storm Sewer Master Plan - City-wide	2,400,000	4,700,000	*	Ongoing	Ongoing
Storm/Sanitary Sewer Separation	450,000	450,000	500,000	3rd Qtr. 2010	2nd Qtr. 2012
Summer/Dry Weather and First Flush Flow Diversion Pilot	36,000	36,000	40,000	3rd Qtr. 2010	2nd Qtr. 2011
Transfer to the City Hall Debt Service Fund	57,000	311,000	*	Ongoing	Ongoing
Transfer to the General Fund: Human Resources/Payroll System Upgrade	3,000	3,000	3,000	N/A	N/A
Transfer to the General Fund: Interest Income		4,000	*	Ongoing	Ongoing
Upper Bird Avenue Storm Sewer Improvements		600,000	600,000	3rd Qtr. 2012	2nd Qtr. 2014
Urgent Flood Prevention and Repair Projects	1,250,000	3,150,000	*	Ongoing	Ongoing
Willow Glen-Guadalupe, Phase III		1,500,000	1,500,000	3rd Qtr. 2013	2nd Qtr. 2015
Zanker and Charcot Storm Sewer Improvement	300,000	300,000	300,000	3rd Qtr. 2011	2nd Qtr. 2012
Total: Construction/Non-Construction	14,897,000	32,156,000			
Ending Fund Balance	616,343	940,343	**		
Total: Storm Sewer System	15,513,343	33,096,343	**		
Water Pollution Control					
Advanced Process Control and Automation	1,833,000	3,723,000	5,080,000	3rd Qtr. 2010	2nd Qtr. 2020
Capital Program and Public Works Department Support Service Costs	300,000	1,530,000	*	Ongoing	Ongoing
Digester Rehabilitation	12,820,000	37,701,000	40,876,000	3rd Qtr. 2008	2nd Qtr. 2015
Dissolved Air Flotation Dissolution Improvements	1,158,000	1,181,000	1,479,000	4th Qtr. 2010	3rd Qtr. 2012
East Primary Concrete Tank Repair and Stainless Steel Conversion	1,728,000	20,192,000	83,751,000	3rd. Qtr. 2010	4th Qtr. 2021
Equipment Replacement	1,746,000	9,804,000	*	Ongoing	Ongoing
Filter Improvements	322,000	4,376,000	*	Ongoing	Ongoing
Fine Bubble Membrane Diffuser Conversion	750,000	3,936,000	30,840,000	2nd Qtr. 2012	2nd Qtr. 2022
Fuel Cell	207,000	207,000	1,400,000	3rd Qtr 2010	4th Qtr. 2011

Capital Program Summary by City Service Area

Environmental and Utility Services

	2011-2012 Budget	2012-2016 CIP Budget	Total Budget (All Years)	Start Date	End Date
Water Pollution Control (Cont'd.)					
Headworks Enhancement	4,791,000	38,698,000	91,605,000	3rd Qtr. 2009	2nd Qtr. 2019
Inactive Lagoons Bio-Solids Removal	800,000	10,040,000	25,115,000	3rd Qtr. 2010	2nd Qtr. 2022
Iron Salt Feed Station	2,340,000	2,340,000	2,340,000	1st Qtr. 2012	2nd Qtr. 2012
Land Management and Improvements	250,000	250,000	20,568,000	2nd Qtr. 1997	2nd Qtr. 2012
Payment for Clean Water Financing Authority Trustee	5,000	25,000	*	Ongoing	Ongoing
Plant Electrical Reliability	2,814,000	72,540,000	91,081,000	3rd Qtr. 2003	2nd Qtr. 2015
Plant Infrastructure Improvements	13,102,000	59,707,000	*	Ongoing	Ongoing
Plant Master Plan	1,260,000	1,260,000	10,167,000	3rd Qtr. 2007	1st Qtr. 2011
Public Art	74,000	450,000	*	Ongoing	Ongoing
Recovery Act - South Bay Water Recycling Phase 1C	2,145,000	2,145,000	5,077,000	1st. Qtr. 2010	3rd Qtr. 2011
Reserve for Biosolids Program	20,000,000	20,000,000	20,000,000	N/A	N/A
Reserve for Electrical Reliability Improvements		10,000,000	10,000,000	N/A	N/A
Reserve for Equipment Replacement	5,000,000	5,000,000	5,000,000	N/A	N/A
Reserve for Odor Control Projects	10,000,000	10,000,000	10,000,000	N/A	N/A
Reserve for Rate Studies	200,000	200,000	200,000	N/A	N/A
Revised South Bay Action Plan - SBWR Extension	556,000	2,112,000	*	Ongoing	Ongoing
SBWR Backup Water Supply	3,000,000	3,000,000	3,000,000	3rd Qtr. 2011	2nd Qtr. 2012
SBWR Customer Connection Program	1,000,000	2,000,000	2,000,000	1st Qtr. 2012	4th Qtr. 2012
SBWR Master Plan	2,000,000	14,000,000	14,000,000	1st Qtr. 2012	2nd Qtr. 2016
SBWR Regional Connector		2,000,000	2,000,000	1st Qtr. 2013	4th Qtr. 2014
SBWR Reservoir Facility	404,000	404,000	5,909,000	3rd Qtr. 2009	2rd. Qtr. 2012
Secondary and Nitrification Clarifier Rehabilitation	3,489,000	12,754,000	*	Ongoing	Ongoing
State Revolving Fund Loan Repayment	4,464,000	22,320,000	88,280,000	3rd Qtr. 1998	2nd Qtr. 2019
Transfer to Clean Water Financing Authority Debt Service Payment Fund	6,956,000	34,714,000	85,818,000	2nd Qtr. 1996	4th Qtr. 2020
Transfer to the City Hall Debt Service Fund	47,000	257,000	*	Ongoing	Ongoing
Transfer to the General Fund: Human Resources/Payroll System Upgrade	10,000	10,000	10,000	N/A	N/A
Unanticipated/Critical Repairs	250,000	1,250,000	*	Ongoing	Ongoing
Warehousing Facility Additions	145,000	145,000	1,800,000	3rd Qtr. 2010	2nd Qtr. 2012

Capital Program Summary by City Service Area

Environmental and Utility Services

	2011-2012 Budget	2012-2016 CIP Budget	Total Budget (All Years)	Start Date	End Date
<u>Water Pollution Control</u> (Cont'd.)					
Total: Construction/Non-Construction	105,966,000	410,271,000			
Ending Fund Balance	26,328,744	16,419,744 **			
Total: Water Pollution Control	132,294,744	426,690,744 **			
<u>Water Utility System</u>					
Advance System Design	100,000	540,000	*	Ongoing	Ongoing
Bon Bon Drive Main Replacement	995,000	995,000	1,000,000	3rd Qtr. 2010	2nd Qtr. 2012
Capital Program and Public Works Department Support Service Costs	26,000	130,000	*	Ongoing	Ongoing
Castleton Drive Main Replacement	35,000	35,000	895,000	3rd Qtr. 2009	2nd Qtr. 2012
Gumdrop Drive Main Replacement		1,300,000	1,300,000	3rd Qtr. 2014	2nd Qtr. 2016
Infrastructure Improvements	840,000	3,640,000	*	Ongoing	Ongoing
Loan Repayment to Sewage Treatment Plant Connection Fee Fund	1,000,000	1,200,000	5,700,000	3rd Qtr. 2004	2nd Qtr. 2013
Major Facilities Fee Administration	15,000	75,000	*	Ongoing	Ongoing
Master Plan Engineering	120,000	650,000	*	Ongoing	Ongoing
Meter Installations	90,000	450,000	*	Ongoing	Ongoing
Network System Flow Improvements	6,000	30,000	*	Ongoing	Ongoing
Nortech Parkway East Loop Main	674,000	674,000	749,000	1st Qtr. 2009	2nd Qtr. 2012
North Coyote Valley Water System	168,000	168,000	8,083,000	2nd Qtr. 2001	3rd Qtr. 2011
Peppermint Drive Main Replacement		1,265,000	1,265,000	3rd Qtr. 2012	4th Qtr. 2013
Preliminary Engineering	100,000	570,000	*	Ongoing	Ongoing
Public Art	59,000	97,000	*	Ongoing	Ongoing
Public Works GIS Support	65,000	325,000	*	Ongoing	Ongoing
Reserve for System Growth Related Projects	1,600,000	1,600,000	1,600,000	N/A	N/A
Reserve for System Rehabilitation/Replacement	1,792,000	2,393,000	2,393,000	N/A	N/A
Service Installations	350,000	1,150,000	*	Ongoing	Ongoing
System Maintenance/Repairs	580,000	3,100,000	*	Ongoing	Ongoing
Transfer to the City Hall Debt Service Fund	7,000	38,000	*	Ongoing	Ongoing

Capital Program Summary by City Service Area
Environmental and Utility Services

	2011-2012 Budget	2012-2016 CIP Budget	Total Budget (All Years)	Start Date	End Date
Water Utility System (Cont'd.)					
Transfer to the General Fund - Human Resources/Payroll System Upgrade	1,000	1,000	1,000	N/A	N/A
Total: Construction/Non-Construction	8,623,000	20,426,000			
Ending Fund Balance	1,535,047	1,865,047 **			
Total: Water Utility System	10,158,047	22,291,047 **			
CSA Total: Construction/Non-Construction	198,506,000	671,762,000 **			
Ending Fund Balance	65,307,718	22,674,718 **			
CSA Total:	263,813,718	694,436,718 **			

* Total Budget information is not provided due to the ongoing nature of this project.

**The 2011-2012 through 2014-2015 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.