



**2012-2013 CAPITAL BUDGET**

---

**2013-2017 CAPITAL  
IMPROVEMENT PROGRAM**



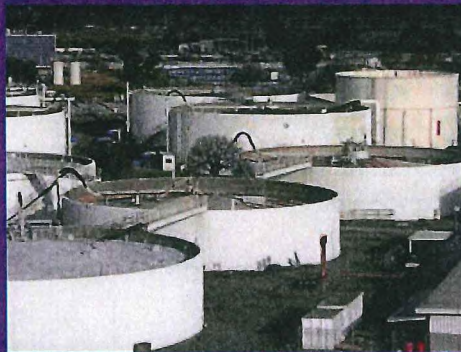
**ENVIRONMENTAL  
AND  
UTILITY SERVICES  
CSA**

**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. This CIP incorporates recommendations from the Plant Master Plan, which will guide the rehabilitation and replacement of infrastructure, and meet existing and anticipated regulatory requirements and planned growth during the next 30 years. The Preferred Alternative of the Plant Master Plan was adopted by the City Council in April 2011.

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

# City Service Area Environmental and Utility Services

## Recent Accomplishments

- Sanitary Sewer System CIP:
  - Morrill Avenue/Sierra Road Sanitary Sewer Improvement – replaced 3,000 feet of pipe (completed in January 2012)
  - Cropley Avenue Sanitary Sewer Improvement – upsized 4,100 feet of sewer (completed in March 2012)
- Storm Sewer System CIP:
  - Charcot-Zanker Storm Sewer Improvement – constructed curb, gutter and storm drainage facilities (completed in Nov. 2011)
- Water Pollution Control CIP:
  - Alternative Disinfection – replaced existing gaseous chlorine and sulfur dioxide system with a liquid sodium hypochlorite and sodium bisulphate system (completed in Feb. 2012)
  - Motor Control Center H and J Replacement – replaced motor control center in the Secondary Blower Building (completed in Nov. 2011)
- Water Utility System CIP:
  - Nortech Parkway East Loop Main – connected the Nortech Parkway water main with the Holger Way water main (completed in Apr. 2012)
  - Castleton Drive Main Replacement – replaced and relocated an existing water main (completed in Feb. 2012)

## Program Highlights

### Sanitary Sewer System Capital Program

2013-2017 Adopted CIP: \$209.9 million

#### Sanitary Sewer Rehabilitation Projects:

- Cast Iron Pipe – Remove and Replace
- Monterey – Riverside Sanitary Sewer, Phase V

#### Sanitary Sewer Interceptor/Capacity Improvement Projects:

- 60-inch Brick Interceptor - Phase VIA and VIB
- Bollinger Road – Blaney Avenue Sanitary Sewer Improvements

### Storm Sewer System Capital Program

2013-2017 Adopted CIP: \$45.3 million

- Storm Sewer Master Plan City-wide
- Storm Pump Station Rehabilitation and Replacement
- Willow Glen – Guadalupe, Phase III

### Water Pollution Control Capital Program

2013-2017 Adopted CIP: \$339.2 million

#### Preliminary Wastewater Treatment:

- Headworks No. 1 Repair & Rehabilitation
- Headworks No. 2 Enhancement

#### Primary Wastewater Treatment:

- East Primary Rehabilitation, Seismic Retrofit, and Odor Control

#### Biosolids:

- Digester Rehabilitation

#### South Bay Water Recycling:

- SBWR System Reliability and Infrastructure Replacement

### Water Utility System Capital Program

2013-2017 Adopted CIP: \$23.4 million

- Gumdrop Drive Main Replacement
- Dove Road Main Extension

## 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	2010-2011 Actual*	2011-2012 Target	2011-2012 Estimate	2012-2013 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	92% (24/26)	85%	85% (22/26)	85%	85%
	2. % of CIP projects that are completed within the approved baseline budget***	88% (14/16)	90%	80% (24/30)	90%	90%

*Changes to Performance Measures from 2011-2012 Adopted Budget: No*

\* The 2010-2011 Actual number of projects may vary from the 2010-2011 Adopted Budget Estimate as a result of the date of the estimated beneficial use of the project being revised and the project expected to be delivered in the following fiscal year. Also, the number of projects may change with the inclusion of projects in the 2010-2011 Actual not originally included in the 2010-2011 Adopted Budget Estimate due to incomplete project information at that time.

\*\* 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.

In 2011-2012, the Environmental and Utility Services CSA is estimated to deliver 22 of 26 (85%) projects within two months of the approved baseline schedule, meeting the performance target. Some of the notable capital projects completed in 2011-2012 include the sanitary sewer rehabilitations throughout the city (Ashburton Drive, Lariat Lane, Boulder Drive, Cropley Avenue, Morrill Avenue, Sierra Road, Emory Street), storm rehabilitations (Charcot-Zanker, Oakmead Street), installation of large trash capture devices at Wool Creek Drive and Bulldog Boulevard, installation of 8" diameter water main (Castleton Drive, Whittington Drive, Haughton Drive), the seismic retrofit at the Villa Vista Pump Station and Reservoir, and various projects at the Water Pollution Control Plant such as the Replacement of the Motor Control Centers in the Secondary Blower Building, the Filter Underdrain System Renovation, and the Facilities Roof Replacement.

In 2011-2012, an estimated 24 of 30 (80%) of the projects either have been or are expected to be completed within their baseline budgets, short of 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**

	2012-2013 Budget	2013-2017 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b>Sanitary Sewer System</b>					
30" Old Bayshore Rehabilitation	860,000	860,000	885,000	3rd Qtr. 2010	2nd Qtr. 2013
30" Old Bayshore Supplement	365,000	4,326,000	4,511,000	3rd Qtr. 2008	2nd Qtr. 2014
60" Brick Interceptor, Phase VIA and VIB	26,175,000	30,201,000	74,220,382	3rd Qtr. 2009	2nd Qtr. 2015
Almaden Expressway Sanitary Sewer Improvements	3,958,000	4,063,000	4,445,000	3rd Qtr. 2010	2nd Qtr. 2014
Almaden Supplement Sewer Rehabilitation (North)	2,154,000	2,203,000	2,284,000	3rd Qtr. 2010	2nd Qtr. 2014
Bollinger Road - Blaney Avenue Sanitary Sewer Improvements	453,000	5,404,000	5,404,000	3rd Qtr. 2012	2nd Qtr. 2015
Capital Program and Public Works Department Support Service Costs	1,341,000	3,060,000		* Ongoing	Ongoing
Capitol Avenue Sanitary Sewer Improvements		1,584,000	1,584,000	3rd Qtr. 2013	2nd Qtr. 2015
Cast Iron Pipe - Remove and Replace	4,000,000	19,000,000		* Ongoing	Ongoing
Coleman Road Sanitary Sewer Improvements	3,210,000	3,210,000	3,510,000	3rd Qtr. 2010	2nd Qtr. 2013
Condition Assessment Sewer Repairs	2,000,000	10,000,000		* Ongoing	Ongoing
East Hills Drive - White Road Sanitary Sewer Improvements	2,473,000	2,473,000	2,573,000	3rd Qtr. 2011	2nd Qtr. 2013
Fee Administration	81,000	418,000		* Ongoing	Ongoing
Flow Monitoring Program (Master Planning)	1,820,000	5,820,000		* Ongoing	Ongoing
Fourth Major Interceptor, Phase IIB/IIIB	1,900,000	4,400,000	4,640,000	3rd Qtr. 2009	2nd Qtr. 2015
Fourth Major Interceptor, Phase VIIA		8,000,000	8,000,000	3rd Qtr. 2015	2nd Qtr. 2017
Husted-Richland Sanitary Sewer Improvements	2,823,000	2,853,000	3,132,000	3rd Qtr. 2010	2nd Qtr. 2014
Hydrogen Peroxide Injection Station	20,000	20,000	205,000	3rd Qtr. 2006	2nd Qtr. 2013
Immediate Replacement and Diversion Projects	4,000,000	14,000,000		* Ongoing	Ongoing
Inflow and Infiltration Reduction	1,000,000	5,000,000		* Ongoing	Ongoing
Infrastructure - Sanitary Sewer Condition Assessment	3,000,000	16,000,000		* Ongoing	Ongoing
Infrastructure Management System	38,000	190,000		* Ongoing	Ongoing
Lampighter Relief Pump Station and Force Main		1,415,000	1,415,000	3rd Qtr. 2014	2nd Qtr. 2015
Master Planning Updates	1,300,000	3,300,000		* Ongoing	Ongoing
Minnesota Avenue Sanitary Sewer Improvements	1,664,000	1,664,000	1,824,000	3rd Qtr. 2010	2nd Qtr. 2013
Monterey-Riverside Relief Sanitary Sewer	3,456,000	3,456,000	3,671,000	3rd Qtr. 2011	2nd Qtr. 2013
Monterey-Riverside Sanitary Sewer, Phase V	3,337,000	3,337,000	3,739,000	3rd Qtr. 2011	2nd Qtr. 2013
Moorpark-Meridian Trunk Sewer Rehabilitation, Phase III	391,000	391,000	2,104,000	3rd Qtr. 2010	2nd Qtr. 2013

*Capital Program Summary by City Service Area*  
**Environmental and Utility Services**

	2012-2013 Budget	2013-2017 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b><u>Sanitary Sewer System</u> (Cont'd.)</b>					
Myrtle Avenue Sanitary Sewer Improvements	100,000	100,000	183,000	3rd Qtr. 2010	2nd Qtr. 2013
Naglee Avenue Sanitary Sewer Replacement	100,000	100,000	1,176,000	3rd Qtr. 2008	3rd Qtr. 2012
Newhall Sanitary Sewer Improvements	1,000,000	1,000,000	1,000,000	3rd Qtr. 2012	2nd Qtr. 2013
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	650,000	4,450,000	*	Ongoing	Ongoing
Program Management	475,000	2,375,000	*	Ongoing	Ongoing
Public Art	1,431,000	1,786,000	*	Ongoing	Ongoing
Public Works Engineering Services Equipment (Materials Lab)	40,000	200,000	*	Ongoing	Ongoing
Rehabilitation of Sanitary Sewer Pump Stations	3,000,000	5,000,000	6,587,000	3rd Qtr. 2008	2nd Qtr. 2014
Reinforced Concrete Pipe Rehabilitation Program	1,700,000	5,700,000	*	Ongoing	Ongoing
Reserve for Rehabilitation and Repair	2,500,000	2,500,000	2,500,000	N/A	N/A
Rincon Avenue - Virginia Avenue Sanitary Sewer Improvements	464,000	3,529,000	3,529,000	3rd Qtr. 2012	2nd Qtr. 2015
Spreckles Sanitary Sewer Force Main Supplement	795,000	795,000	5,318,000	3rd Qtr. 2008	2nd Qtr. 2013
Stevens Creek Boulevard Sanitary Sewer Improvements	505,000	3,042,000	3,042,000	3rd Qtr. 2012	2nd Qtr. 2014
Story Road Easement Sanitary Sewer Replacement	700,000	732,000	732,000	3rd Qtr. 2012	2nd Qtr. 2014
Story Road Sanitary Sewer Improvements		2,305,000	2,305,000	3rd Qtr. 2014	2nd Qtr. 2016
Transfer to the City Hall Debt Service Fund	229,000	1,265,000	*	Ongoing	Ongoing
Urgent Rehabilitation and Repair Projects	2,800,000	11,800,000	*	Ongoing	Ongoing
<b>Total: Construction/Non-Construction</b>	<b>88,393,000</b>	<b>203,752,000</b>			
Ending Fund Balance	13,636,453	6,158,453 **			
<b>Total: Sanitary Sewer System</b>	<b>102,029,453</b>	<b>209,910,453 **</b>			
<b><u>Storm Sewer System</u></b>					
Alviso Storm Network Infiltration Control	1,095,000	1,100,000	1,200,000	3rd Qtr. 2011	4th Qtr. 2013
Capital Program and Public Works Department Support Service Costs	737,000	2,226,000	*	Ongoing	Ongoing
El Dorado Street Storm Sewer Improvements	100,000	100,000	600,000	3rd Qtr. 2010	2nd Qtr. 2012

*Capital Program Summary by City Service Area*  
**Environmental and Utility Services**

	2012-2013 Budget	2013-2017 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b>Storm Sewer System (Cont'd.)</b>					
Fee Administration	25,000	145,000	*	Ongoing	Ongoing
Flow Monitoring Program	40,000	40,000	213,000	3rd Qtr. 2010	2nd Qtr. 2012
Gateway East Storm Sewer Improvements	235,000	235,000	442,000	3rd Qtr. 2010	2nd Qtr. 2013
Gold Street Storm Pump Station Force Main	865,000	870,000	920,000	3rd Qtr. 2011	4th Qtr. 2013
Infrastructure Management System	8,000	40,000	*	Ongoing	Ongoing
Lincoln-Parkinson Storm Sewer Improvements		1,200,000	1,200,000	3rd Qtr. 2015	2nd Qtr. 2016
Lower Bird Avenue Storm Sewer Improvements	607,000	607,000	779,000	3rd Qtr. 2010	2nd Qtr. 2013
Minor Neighborhood Storm Sewer Improvements	1,025,000	3,375,000	*	Ongoing	Ongoing
Outfall Rehabilitation - Capital	500,000	1,300,000	*	Ongoing	Ongoing
Permit Review and Inspection for Outside Agencies	50,000	150,000	*	Ongoing	Ongoing
Preliminary Engineering	180,000	820,000	*	Ongoing	Ongoing
Program Management	160,000	640,000	*	Ongoing	Ongoing
Public Art	171,000	279,000	*	Ongoing	Ongoing
Reserve for Charcot Pump Station		13,000,000	13,000,000	N/A	N/A
Reserve for Martha Gardens Alleyways Project	800,000	800,000	800,000	N/A	N/A
Reserve for Master Plan Projects		950,000	950,000	N/A	N/A
Rincon Storm System Study	100,000	100,000	100,000	3rd Qtr. 2010	2nd Qtr. 2012
Ross-Guadalupe Storm Sewer Improvements		596,000	596,000	3rd Qtr. 2013	2nd Qtr. 2014
Storm Pump Station Rehabilitation and Replacement	1,905,000	3,105,000	*	Ongoing	Ongoing
Storm Sewer Improvements - Special Corridors	1,900,000	3,600,000	*	Ongoing	Ongoing
Storm Sewer Master Plan - City-wide	2,400,000	3,600,000	*	Ongoing	Ongoing
Storm/Sanitary Sewer Separation	180,000	180,000	500,000	3rd Qtr. 2010	2nd Qtr. 2013
Transfer to the City Hall Debt Service Fund	78,000	431,000	*	Ongoing	Ongoing
Transfer to the General Fund: Interest Income	3,000	15,000	*	Ongoing	Ongoing
Upper Bird Avenue Storm Sewer Improvements	600,000	600,000	600,000	3rd Qtr. 2012	2nd Qtr. 2013
Urgent Flood Prevention and Repair Projects	1,000,000	2,800,000	*	Ongoing	Ongoing
Willow Glen-Guadalupe, Phase III		1,500,000	1,500,000	3rd Qtr. 2013	2nd Qtr. 2015
<b>Total: Construction/Non-Construction</b>	<b>14,764,000</b>	<b>44,404,000</b>			

## Capital Program Summary by City Service Area

### Environmental and Utility Services

	2012-2013 Budget	2013-2017 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b>Storm Sewer System (Cont'd.)</b>					
Ending Fund Balance	413,851	941,851 **			
<b>Total: Storm Sewer System</b>	<b>15,177,851</b>	<b>45,345,851 **</b>			
<b>Water Pollution Control</b>					
Advanced Process Control and Automation	1,847,000	2,487,000	3,019,000	3rd Qtr. 2010	2nd Qtr. 2014
Alternative Disinfection	1,000,000	1,000,000	11,841,000	2nd Qtr. 2004	2nd Qtr. 2013
Biological Nutrients Removal 1 and Biological Nutrients Removal 2 Connection	876,000	14,486,000	14,486,000	3rd Qtr. 2012	2nd Qtr. 2016
Biosolids Transition Technology	1,000,000	1,000,000	1,000,000	3rd Qtr. 2012	2nd Qtr. 2013
Capital Program and Public Works Department Support Service Costs	574,000	2,930,000	*	Ongoing	Ongoing
Combined Heat and Power Equipment Repair and Rehab	3,200,000	3,200,000	3,200,000	3rd Qtr. 2012	2nd Qtr. 2013
Combined Heat and Power Technology Evaluation	1,300,000	1,300,000	1,300,000	3rd Qtr. 2012	2nd Qtr. 2013
Digester Rehabilitation	12,480,000	63,580,000	65,087,000	3rd Qtr. 2008	3rd Qtr. 2015
Dissolved Air Flotation Rehabilitation & Odor Control	1,000,000	1,000,000	1,238,000	4th Qtr. 2010	3rd Qtr. 2012
East Primary Rehabilitation, Seismic Retrofit, and Odor Control	1,715,000	31,295,000	82,036,000	3rd Qtr. 2010	4th Qtr. 2021
Equipment Replacement	1,663,000	8,315,000	*	Ongoing	Ongoing
Filter Improvements	822,000	822,000	3,506,000	3rd Qtr. 2011	2nd Qtr. 2013
Fine Bubble Membrane Diffuser Conversion	1,000,000	7,414,000	36,400,000	2nd Qtr. 2012	2nd Qtr. 2022
Fuel Cell	20,000	20,000	1,409,000	3rd Qtr. 2010	3rd Qtr. 2012
Headworks No. 1 Repair and Rehabilitation	600,000	5,975,000	5,975,000	3rd Qtr. 2012	2nd Qtr. 2015
Headworks No. 2 Enhancement	6,715,000	6,940,000	7,868,000	3rd Qtr. 2009	2nd Qtr. 2014
Headworks No. 2 Expansion	500,000	500,000	79,400,000	3rd Qtr. 2012	2nd Qtr. 2013
Inactive Lagoons Bio-Solids Removal	585,000	585,000	867,000	3rd Qtr. 2010	2nd Qtr. 2017
Iron Salt Feed Station	1,918,000	1,918,000	2,340,000	1st Qtr. 2012	2nd Qtr. 2013
New Filter Technology	1,000,000	1,000,000	1,000,000	3rd Qtr. 2012	2nd Qtr. 2013
Payment for Clean Water Financing Authority Trustee	5,000	25,000	*	Ongoing	Ongoing
Plant Electrical Reliability	1,047,000	3,047,000	26,401,000	3rd Qtr. 2003	2nd Qtr. 2014
Plant Infrastructure Improvements	4,665,000	8,665,000	*	Ongoing	Ongoing
Plant Master Plan	900,000	900,000	8,734,000	3rd Qtr. 2007	1st Qtr. 2011



## Capital Program Summary by City Service Area

### Environmental and Utility Services

	2012-2013 Budget	2013-2017 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b>Water Pollution Control (Cont'd.)</b>					
Plantwide Facilities	645,000	645,000	650,000	3rd Qtr. 2010	2nd Qtr. 2013
Preliminary Engineering	1,000,000	5,000,000	5,000,000	N/A	N/A
Program Management	2,000,000	10,000,000	10,000,000	N/A	N/A
Public Art	546,000	684,000	*	Ongoing	Ongoing
Recovery Act - South Bay Water Recycling Phase 1C	72,000	72,000	2,224,000	1st. Qtr. 2010	3rd Qtr. 2011
Reserve for Advanced Process Control and Automation	3,000,000	3,000,000	3,000,000	N/A	N/A
Reserve for Biosolids Transition	5,000,000	5,000,000	5,000,000	N/A	N/A
Reserve for Digester Rehabilitation	5,000,000	5,000,000	5,000,000	N/A	N/A
Reserve for East Primary Rehabilitation, Seismic Retrofit, and Odor Control	1,000,000	1,000,000	1,000,000	N/A	N/A
Reserve for Electrical Systems and Power Generation	10,000,000	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 Headworks	6,000,000	6,000,000	6,000,000	N/A	N/A
Reserve for New Filter Complex	6,000,000	6,000,000	6,000,000	N/A	N/A
SBWR Backup Water Supply	2,162,000	2,162,000	3,000,000	3rd Qtr. 2011	1st Qtr. 2013
SBWR Extension	4,093,000	4,093,000	*	Ongoing	Ongoing
SBWR Master Plan	2,304,000	2,304,000	2,304,000	1st Qtr. 2012	2nd Qtr. 2016
SBWR Reservoir Facility	120,000	120,000	5,910,000	3rd Qtr. 2009	2rd. Qtr. 2012
SBWR System Reliability and Infrastructure Replacement	2,000,000	6,500,000	6,500,000	3rd Qtr. 2012	2nd Qtr. 2016
Secondary and Nitrification Clarifier Rehabilitation	3,175,000	14,008,000	26,701,000	3rd Qtr. 2009	2nd Qtr. 2024
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	6,947,000	34,545,000	56,382,000	2nd Qtr. 1996	4th Qtr. 2020
Transfer to the City Hall Debt Service Fund	77,000	426,000	*	Ongoing	Ongoing
Treatment Plant Distributed Control System	2,500,000	4,000,000	4,065,000	1st Qtr. 2012	2nd Qtr. 2016
Treatment Plant Engine Rebuild	1,000,000	2,000,000	3,000,000	1st Qtr. 2012	2nd Qtr. 2014
Treatment Plant Fire Main Replacement	1,245,000	1,245,000	2,400,000	1st Qtr. 2012	2nd Qtr. 2013
Treatment Plant Street Resurfacing	715,000	2,715,000	*	Ongoing	Ongoing
Unanticipated/Critical Repairs	250,000	1,250,000	*	Ongoing	Ongoing
Urgent and Unscheduled Treatment Plant Rehabilitation	1,500,000	7,500,000	*	Ongoing	Ongoing

Capital Program Summary by City Service Area

**Environmental and Utility Services**

	2012-2013 Budget	2013-2017 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b><u>Water Pollution Control</u> (Cont'd.)</b>					
<b>Total: Construction/Non-Construction</b>	<b>124,247,000</b>	<b>330,993,000</b>			
Ending Fund Balance	20,091,097	8,187,097 **			
<b>Total: Water Pollution Control</b>	<b>144,338,097</b>	<b>339,180,097 **</b>			
<b><u>Water Utility System</u></b>					
Advance System Design	110,000	550,000	*	Ongoing	Ongoing
Bon Bon Drive Main Replacement	960,000	960,000	995,000	3rd Qtr. 2010	3rd Qtr. 2012
Capital Program and Public Works Department Support Service Costs	22,000	110,000	*	Ongoing	Ongoing
Dove Road Main Extension	65,000	1,065,000	1,065,000	3rd Qtr. 2012	2nd Qtr. 2014
Gumdrop Drive Main Replacement		1,330,000	1,330,000	3rd Qtr. 2014	2nd Qtr. 2017
Infrastructure Improvements	945,000	3,825,000	*	Ongoing	Ongoing
Loan Repayment to Sewage Treatment Plant Connection Fee Fund	176,000	176,000	5,676,000	3rd Qtr. 2004	2nd Qtr. 2013
Major Facilities Fee Administration	15,000	75,000	*	Ongoing	Ongoing
Master Plan Engineering	125,000	675,000	*	Ongoing	Ongoing
Meter Installations	105,000	305,000	*	Ongoing	Ongoing
Network System Flow Improvements	6,000	30,000	*	Ongoing	Ongoing
Nortech Parkway East Loop Main	20,000	20,000	764,000	1st Qtr. 2009	2nd Qtr. 2012
Nortech and Trimble Reservoir Rehabilitation	1,150,000	1,200,000	1,200,000	3rd Qtr. 2012	4th Qtr. 2014
North Coyote Valley Water System	168,000	168,000	8,083,000	2nd Qtr. 2001	2nd Qtr. 2013
Preliminary Engineering	110,000	600,000	*	Ongoing	Ongoing
Public Art	74,000	113,000	*	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	1,892,000	2,620,000	2,620,000	N/A	N/A
Service Installations	200,000	1,000,000	*	Ongoing	Ongoing
System Maintenance/Repairs	600,000	3,200,000	*	Ongoing	Ongoing
Transfer to the City Hall Debt Service Fund	6,000	33,000	*	Ongoing	Ongoing
Water Management System Enhancements	125,000	125,000	*	Ongoing	Ongoing

*Capital Program Summary by City Service Area*

**Environmental and Utility Services**

	<b>2012-2013 Budget</b>	<b>2013-2017 CIP Budget</b>	<b>Total Budget (All Years)</b>	<b>Start Date</b>	<b>End Date</b>
<b>Water Utility System (Cont'd.)</b>					
Water Valve Rehabilitation 2014		400,000	400,000	3rd Qtr. 2014	2nd Qtr. 2015
<b>Total: Construction/Non-Construction</b>	<b>8,539,000</b>	<b>20,505,000</b>			
Ending Fund Balance	2,017,890	2,887,890 **			
<b>Total: Water Utility System</b>	<b>10,556,890</b>	<b>23,392,890 **</b>			
<b>CSA Total: Construction/Non-Construction</b>	<b>235,943,000</b>	<b>599,654,000 **</b>			
Ending Fund Balance	36,159,291	18,175,291 **			
<b>CSA Total:</b>	<b>272,102,291</b>	<b>617,829,291 **</b>			

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

\*\*The 2012-2013 through 2015-2016 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.