



2013-2014 CAPITAL BUDGET

**2014-2018 CAPITAL
IMPROVEMENT PROGRAM**

**ENVIRONMENTAL
AND
UTILITY SERVICES
CSA**

City Service Area Environmental and Utility Services



Lamplighter Project



Digester Rehabilitation Project

Mission: Delivering world class utility services and programs to improve our health, environment, and economy.

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 pump stations to reduce the risk of local flooding during storm events. The program addresses the drainage needs in residential neighborhoods, business districts, and walking routes to schools and public facilities. Major investments include the development of a city-wide master plan.

The Water Pollution Control Plant (Plant) is a regional wastewater treatment facility that serves seven tributary agencies. In March 2013, the City Council approved to change the name to the San José-Santa Clara Regional Wastewater Facility for use in future communications. The Plant CIP is responsible for planning, designing, and constructing new wastewater treatment and water reuse facilities. This CIP incorporates recommendations from the Draft Plant Master Plan (DPMP), which will guide the rehabilitation and replacement of infrastructure, and meet existing and anticipated regulatory requirements and planned growth over the next 30 years. The DPMP Preferred Alternative was approved by the City Council in April 2011. The first amendment to the DPMP Environmental Impact Report is anticipated to be released in Fall 2013, and certification of the report is targeted for the end of November 2013.

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 Plant
- Water Utility System

City Service Area Environmental and Utility Services

Recent Accomplishments

- Sanitary Sewer System CIP:
 - Monterey-Riverside Sanitary Sewer Rehabilitation Phase V – rehabilitated 12,000 feet of 24-27 inch sewer (completed in March 2013)
 - Sanitary Sewer Condition Assessment Fall 2011- inspected 164 miles of pipes located within 200 feet of water bodies (completed in April 2013)
- Storm Sewer System CIP:
 - El Dorado and Gold Street Storm Improvements – constructed curb, gutter, and storm drainage facilities (completed in Dec. 2012)
 - Oakmead and River Oaks Pump Stations – rehabilitated and upgraded the electrical and mechanical systems (completed in April and August 2012)
- Water Pollution Control CIP:
 - Fuel Cell Foundation Platform and Utility Interconnection – installed foundation and provided necessary utility connections for a 1.4 megawatt fuel cell system (completed in Oct. 2012)
 - Street Rehabilitation-Phase One – replaced curbs, gutters, sidewalks, driveways, and pavement on Fifth and Center Streets at the Plant (completed in Dec. 2012)
- Water Utility System CIP:
 - Bon Bon Drive Main Replacement – replaced and relocated an existing water main (completed in Sept. 2012)

Program Highlights

Sanitary Sewer System Capital Program

2014-2018 Adopted CIP: \$212.9 million

Sanitary Sewer Rehabilitation Projects:

- Cast Iron Pipe – Remove and Replace
- Rehabilitation of Sanitary Sewer Pump Stations

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

2014-2018 Adopted CIP: \$47.8 million

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

Water Pollution Control Capital Program

2014-2018 Adopted CIP: \$725.1 million

Preliminary Wastewater Treatment:

- Headworks No. 2 Enhancement

Biosolids:

- New Biosolids Facility
- Digester Rehabilitation

Electrical Systems and Power Generation:

- Energy Generation Improvements

Advanced Process Control and Automation:

- Plantwide Flowmeter Replacement Program
- Distributed Control System Upgrade

Water Utility System Capital Program

2014-2018 Adopted CIP: \$24.8 million

- Gumdrop Drive Main Replacement
- Dove Road Main Extension
- Nortech and Trimble Reservoir Rehabilitation

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 has 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	2011-2012 Actual*	2012-2013 Target	2012-2013 Estimate	2013-2014 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	85% (22/26)	85%	93% (26/28)	85%	85%
	2. % of CIP projects that are completed within the approved baseline budget***	80% (24/30)	90%	81% (21/26)	90%	90%

Changes to Performance Measures from 2012-2013 Adopted Budget: No

- * The 2011-2012 Actual number of projects may vary from the 2011-2012 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 2011-2012 Actual not originally included in the 2011-2012 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 2012-2013, the Environmental and Utility Services CSA is estimated to deliver 26 of 28 (93%) projects within two months of the approved baseline schedule, exceeding the performance target. Some of the notable capital projects completed in 2012-2013 include sanitary sewer rehabilitations (Myrtle Ave., Westgate Ave., Bagely Way, Zanker Rd. Interceptor, Moorpark Trunk Phase III, Parkmoor Ave., and Old Bayshore), storm/pump station rehabilitations (River Oaks, Oakmead Phase 3, El Dorado/Gold St., and Gateway East), installation of large trash capture devices (Pierce Ave., West Virginia St., Sunset Ave., Phelps Ave., Selma Olinder Park, William St. Park, and 7th St.), the Bon Bon Drive Main Replacement, Nortech-Zanker Service Lateral, and various projects at the Water Pollution Control Plant such as the Replacement of M1/M2/M3 Switchgears, Fire Main Phase II, and Handrail Phase IV.

In 2012-2013, an estimated 21 of 26 (81%) 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

	2013-2014 Budget	2014-2018 CIP Budget	Total Budget (All Years)	Start Date	End Date
Sanitary Sewer System					
11th Street Sanitary Sewer Replacement	122,000	1,090,000	1,090,000	3rd Qtr. 2013	2nd Qtr. 2015
30" Old Bayshore Rehabilitation	400,000	400,000	905,000	3rd Qtr. 2010	4th Qtr. 2013
30" Old Bayshore Supplement	212,000	4,023,000	4,424,000	3rd Qtr. 2008	2nd Qtr. 2015
60" Brick Interceptor, Phase VIA and VIB	26,000,000	30,201,000	67,895,382	3rd Qtr. 2009	2nd Qtr. 2016
Almaden Expressway Sanitary Sewer Improvements	4,308,000	4,308,000	4,749,000	3rd Qtr. 2010	2nd Qtr. 2014
Almaden Supplement Sewer Rehabilitation (North)	2,275,000	2,431,000	2,804,000	3rd Qtr. 2010	2nd Qtr. 2015
Alum Rock Avenue Sanitary Sewer Replacement	1,200,000	1,200,000	1,200,000	3rd Qtr. 2013	2nd Qtr. 2014
Bollinger Road - Blaney Avenue Sanitary Sewer Improvements	7,170,000	7,634,000	8,087,000	3rd Qtr. 2012	2nd Qtr. 2015
Capital Program and Public Works Department Support Service Costs	2,164,000	5,440,000	*	Ongoing	Ongoing
Capitol Avenue Sanitary Sewer Improvement - Brokaw Street		2,889,000	2,889,000	3rd Qtr. 2014	2nd Qtr. 2016
Cast Iron Pipe - Remove and Replace	1,000,000	14,000,000	*	Ongoing	Ongoing
Cast Iron Pipe Replacement - West	1,615,000	1,637,000	1,637,000	3rd Qtr. 2013	2nd Qtr. 2015
Coleman Road Sanitary Sewer Improvements	178,000	1,233,000	1,233,000	3rd Qtr. 2013	2nd Qtr. 2015
Coleman Road Sanitary Sewer Improvements - Phase 3	3,174,000	3,174,000	3,510,000	3rd Qtr. 2010	2nd Qtr. 2014
Condition Assessment Sewer Repairs	2,000,000	11,000,000	*	Ongoing	Ongoing
Fee Administration	81,000	418,000	*	Ongoing	Ongoing
Flow Monitoring Program (Master Planning)	1,500,000	6,800,000	*	Ongoing	Ongoing
Fourth Major Interceptor, Phase IIB/IIIB	2,400,000	2,400,000	2,615,000	3rd Qtr. 2009	2nd Qtr. 2014
Fourth Major Interceptor, Phase VIIA		7,500,000	7,500,000	3rd Qtr. 2016	2nd Qtr. 2018
Husted Avenue Sanitary Sewer Improvement - Phase II		3,381,000	3,381,000	3rd Qtr. 2014	2nd Qtr. 2017
Husted-Richland Sanitary Sewer Improvements	2,814,000	2,834,000	3,234,000	3rd Qtr. 2010	2nd Qtr. 2015
Hydrogen Peroxide Injection Station	15,000	15,000	196,000	3rd Qtr. 2006	2nd Qtr. 2014
Immediate Replacement and Diversion Projects	2,000,000	10,000,000	*	Ongoing	Ongoing
Inflow and Infiltration Reduction	500,000	2,500,000	*	Ongoing	Ongoing
Infrastructure - Sanitary Sewer Condition Assessment	2,000,000	10,000,000	*	Ongoing	Ongoing
Infrastructure Management System	40,000	200,000	*	Ongoing	Ongoing
Kelez Drive and El Prado Drive Sanitary Sewer Replacement	979,000	1,130,000	1,130,000	3rd Qtr. 2013	2nd Qtr. 2015
Mackey Avenue Sanitary Sewer Rehabilitation	1,116,000	1,116,000	1,320,000	3rd Qtr. 2010	2nd Qtr. 2014

Capital Program Summary by City Service Area

Environmental and Utility Services

	2013-2014 Budget	2014-2018 CIP Budget	Total Budget (All Years)	Start Date	End Date
Sanitary Sewer System (Cont'd.)					
Master Planning Updates	600,000	3,900,000		* Ongoing	Ongoing
Minnesota Avenue Sanitary Sewer Improvements	1,567,000	1,567,000	1,824,000	3rd Qtr. 2010	2nd Qtr. 2014
Monterey-Riverside Relief Sanitary Sewer	3,598,000	3,598,000	4,112,000	3rd Qtr. 2011	2nd Qtr. 2014
Monterey-Riverside Sanitary Sewer, Phase V	150,000	150,000	3,738,000	3rd Qtr. 2011	2nd Qtr. 2013
Moorpark-Meridian Trunk Sewer Rehabilitation, Phase III	150,000	150,000	1,643,000	3rd Qtr. 2010	4th Qtr. 2013
Myrtle Avenue Sanitary Sewer Improvements	100,000	100,000	317,000	3rd Qtr. 2010	2nd Qtr. 2014
Naglee Avenue Sanitary Sewer Replacement	125,000	125,000	1,176,000	3rd Qtr. 2008	4th 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	950,000	4,750,000		* Ongoing	Ongoing
Program Management	475,000	2,375,000		* Ongoing	Ongoing
Public Art	1,563,000	1,934,000		* Ongoing	Ongoing
Public Works Engineering Services Equipment (Materials Lab)	40,000	200,000		* Ongoing	Ongoing
Rehabilitation of Sanitary Sewer Pump Stations	3,500,000	5,500,000	7,739,000	3rd Qtr. 2008	2nd Qtr. 2015
Reinforced Concrete Pipe Rehabilitation Program	500,000	2,500,000		* Ongoing	Ongoing
Rincon Avenue - Virginia Avenue Sanitary Sewer Improvements	3,405,000	3,405,000	3,627,000	3rd Qtr. 2012	2nd Qtr. 2014
South White Road Sanitary Sewer Improvements	766,000	766,000	2,073,000	3rd Qtr. 2011	2nd Qtr. 2014
Spreckles Sanitary Sewer Force Main Supplement	541,000	541,000	5,859,000	3rd Qtr. 2008	2nd Qtr. 2014
Spreckles Sanitary Sewer Force Main Supplement, Phase II	275,000	1,988,000	1,988,000	3rd Qtr. 2013	2nd Qtr. 2015
Stevens Creek Boulevard Sanitary Sewer Improvements	2,861,000	2,867,000	3,042,000	3rd Qtr. 2012	2nd Qtr. 2015
Story Road Easement Sanitary Sewer Replacement	580,000	1,580,000	1,700,000	3rd Qtr. 2012	2nd Qtr. 2015
Story Road Sanitary Sewer Improvement		3,158,000	3,158,000	3rd Qtr. 2014	2nd Qtr. 2017
The Alameda Sanitary Sewer Improvement	50,000	1,610,000	1,610,000	3rd Qtr. 2013	2nd Qtr. 2016
The Villages Sanitary Sewer Replacement	170,000	1,232,000	1,232,000	3rd Qtr. 2013	2nd Qtr. 2015
Transfer to the City Hall Debt Service Fund	309,000	1,753,000		* Ongoing	Ongoing
Trimble Road Sanitary Sewer Improvement	2,200,000	2,200,000	2,200,000	3rd Qtr. 2013	2nd Qtr. 2014
Trimble Road and Capewood Lane Sanitary Sewer Improvement	277,000	5,233,000	5,233,000	2nd Qtr. 2014	2nd Qtr. 2016
Urgent Rehabilitation and Repair Projects	4,800,000	14,800,000		* Ongoing	Ongoing
Westmont and Harriet Sanitary Sewer Improvement		3,765,000	3,765,000	3rd Qtr. 2014	2nd Qtr. 2017

Capital Program Summary by City Service Area

Environmental and Utility Services

	2013-2014 Budget	2014-2018 CIP Budget	Total Budget (All Years)	Start Date	End Date
Sanitary Sewer System (Cont'd.)					
Total: Construction/Non-Construction	94,900,000	211,126,000			
Ending Fund Balance	9,734,125	1,798,125 **			
Total: Sanitary Sewer System	104,634,125	212,924,125 **			
Storm Sewer System					
Almaden-Canoas Storm Sewer Improvements	202,000	902,000	902,000	3rd Qtr. 2013	2nd Qtr. 2015
Alviso Storm Network Infiltration Control	659,000	706,000	1,401,000	3rd Qtr. 2011	3rd Qtr. 2015
Alviso Storm Pump Station	1,500,000	1,500,000	1,500,000	3rd Qtr. 2013	2nd Qtr. 2014
Capital Program and Public Works Department Support Service Costs	824,000	2,532,000	*	Ongoing	Ongoing
Charcot Storm Pump Station at Coyote Creek	1,500,000	1,500,000	1,500,000	3rd Qtr. 2013	2nd Qtr. 2014
Fee Administration	25,000	145,000	*	Ongoing	Ongoing
Flow Monitoring Program	997,000	2,737,000	2,950,000	3rd Qtr. 2010	2nd Qtr. 2012
Gold Street Storm Pump Station Force Main	811,000	911,000	1,026,000	2nd Qtr. 2013	2nd. Qtr. 2015
Infrastructure Management System	8,000	40,000	*	Ongoing	Ongoing
Lower Bird Avenue Storm Sewer Improvements	125,000	125,000	904,000	3rd Qtr. 2010	2nd Qtr. 2014
Madrona Avenue Storm Sewer Improvements	336,000	336,000	336,000	3rd Qtr. 2013	2nd Qtr. 2014
Martha Gardens Green Alley	1,273,000	1,273,000	1,338,000	2nd Qtr. 2013	2nd Qtr. 2014
Minor Neighborhood Storm Sewer Improvements	500,000	2,650,000	*	Ongoing	Ongoing
Outfall Rehabilitation - Capital	350,000	1,950,000	*	Ongoing	Ongoing
Park Avenue Green Avenue	1,186,000	1,186,000	1,206,000	2nd Qtr. 2013	2nd Qtr. 2014
Permit Review and Inspection for Outside Agencies	50,000	150,000	*	Ongoing	Ongoing
Preliminary Engineering	180,000	820,000	*	Ongoing	Ongoing
Program Management	150,000	750,000	*	Ongoing	Ongoing
Public Art	244,000	335,000	*	Ongoing	Ongoing
Reserve for Alviso Storm Pump Station	10,000,000	10,000,000	10,000,000	N/A	N/A
Storm Pump Station Rehabilitation and Replacement	600,000	1,900,000	*	Ongoing	Ongoing
Storm Sewer Improvements - Special Corridors	500,000	2,800,000	*	Ongoing	Ongoing
Storm Sewer Master Plan - City-wide	2,348,000	5,748,000	*	Ongoing	Ongoing

Capital Program Summary by City Service Area
Environmental and Utility Services

	2013-2014 Budget	2014-2018 CIP Budget	Total Budget (All Years)	Start Date	End Date
Storm Sewer System (Cont'd.)					
Transfer to the City Hall Debt Service Fund	96,000	543,000		*	Ongoing
Transfer to the General Fund: Interest Income	2,000	6,000		*	Ongoing
Upper Bird Avenue Storm Sewer Improvements	125,000	125,000	725,000	3rd Qtr. 2012	2nd Qtr. 2014
Urgent Flood Prevention and Repair Projects	800,000	3,560,000		*	Ongoing
Willow Glen-Guadalupe, Phase III	300,000	1,700,000	1,700,000	3rd Qtr. 2013	2nd Qtr. 2016
Total: Construction/Non-Construction	25,691,000	46,930,000			
Ending Fund Balance	1,426,137	869,137			**
Total: Storm Sewer System	27,117,137	47,799,137			**
Water Pollution Control					
2014 Bond Cost of Issuance		1,700,000	1,700,000	3rd Qtr. 2014	2nd Qtr. 2015
2014 Transfer to Clean Water Financing Authority Debt Service		24,000,000	24,000,000	3rd Qtr. 2014	2nd Qtr. 2044
Advanced Process Control and Automation	2,736,000	2,736,000	3,540,000	3rd Qtr. 2010	2nd Qtr. 2014
Alternative Disinfection	980,000	980,000	11,841,000	2nd Qtr. 2004	2nd Qtr. 2014
Biological Nutrients Removal 1 and Biological Nutrients Removal 2 Connection	876,000	876,000	14,486,000	3rd Qtr. 2012	2nd Qtr. 2021
Capital Program and Public Works Department Support Service Costs	653,000	3,335,000		*	Ongoing
Combined Heat and Power Equipment Repair and Rehabilitation	9,934,000	10,184,000	11,350,000	3rd Qtr. 2012	2nd Qtr. 2015
Digester Rehabilitation	12,445,000	70,895,000	122,429,000	3rd Qtr. 2008	2nd Qtr. 2021
Dissolved Air Flotation Rehabilitation and Odor Control	264,000	264,000	1,082,000	4th Qtr. 2010	2nd Qtr. 2014
East Primary Rehabilitation, Seismic Retrofit, and Odor Control	715,000	7,715,000	82,025,000	3rd Qtr. 2010	4th Qtr. 2021
Energy Generation Improvements	40,000,000	100,000,000	101,300,000	3rd Qtr. 2012	2nd Qtr. 2015
Equipment Replacement	2,522,000	9,174,000		*	Ongoing
Filter Improvements	800,000	800,000	822,000	3rd Qtr. 2011	2nd Qtr. 2014
Headworks No. 1 Repair and Rehabilitation	1,450,000	1,650,000	5,975,000	3rd Qtr. 2012	2nd Qtr. 2015
Headworks No. 2 Enhancement	7,874,000	11,174,000	12,233,000	3rd Qtr. 2009	2nd Qtr. 2016
Headworks No. 2 Expansion	200,000	200,000	79,400,000	3rd Qtr. 2012	2nd Qtr. 2023
Iron Salt Feed Station	1,900,000	1,900,000	1,993,000	1st Qtr. 2012	2nd Qtr. 2014

Capital Program Summary by City Service Area
Environmental and Utility Services

	2013-2014 Budget	2014-2018 CIP Budget	Total Budget (All Years)	Start Date	End Date
Water Pollution Control (Cont'd.)					
New Biosolids Facility	3,000,000	325,000,000	326,000,000	3rd Qtr. 2012	2nd Qtr. 2018
New Filter Complex	854,000	854,000	134,000,000	3rd Qtr. 2012	2nd Qtr. 2020
Payment for Clean Water Financing Authority Trustee	5,000	25,000	*	Ongoing	Ongoing
Plant Backup Water Supply	1,200,000	1,200,000	2,995,000	3rd Qtr. 2011	2nd Qtr. 2014
Plant Electrical Reliability	2,672,000	2,672,000	24,959,000	3rd Qtr. 2003	2nd Qtr. 2014
Plant Infrastructure Improvements	2,410,000	6,410,000	*	Ongoing	Ongoing
Plant Master Plan	276,000	276,000	10,080,000	3rd Qtr. 2007	3rd Qtr. 2014
Plant-wide Flowmeter Replacement Program	1,000,000	6,250,000	6,250,000	3rd Qtr. 2013	2nd Qtr. 2016
Preliminary Engineering	1,000,000	5,000,000	6,000,000	N/A	N/A
Program Management	4,498,000	17,768,000	18,845,000	N/A	N/A
Public Art	457,000	490,000	*	Ongoing	Ongoing
Reserve for Equipment Replacement	5,000,000	5,000,000	5,000,000	N/A	N/A
SBWR Extension	3,787,000	3,787,000	*	Ongoing	Ongoing
SBWR Master Plan	419,000	419,000	2,497,000	1st Qtr. 2012	2nd Qtr. 2016
SBWR Reservoir Facility	10,000	10,000	5,910,000	3rd Qtr. 2009	2nd. Qtr. 2014
SBWR System Reliability and Infrastructure Replacement	2,300,000	5,300,000	6,500,000	3rd Qtr. 2012	2nd Qtr. 2016
Secondary and Nitrification Clarifier Rehabilitation	3,162,000	8,562,000	39,724,000	3rd Qtr. 2009	2nd Qtr. 2024
State Revolving Fund Loan Repayment	4,464,000	22,320,000	88,240,000	3rd Qtr. 1998	2nd Qtr. 2019
Transfer to Clean Water Financing Authority Debt Service Payment Fund	6,953,000	33,480,000	55,308,000	2nd Qtr. 1996	4th Qtr. 2020
Transfer to the City Hall Debt Service Fund	76,000	431,000	*	Ongoing	Ongoing
Treatment Plant Distributed Control System	500,000	2,000,000	4,564,000	1st Qtr. 2012	2nd Qtr. 2017
Treatment Plant Engine Rebuild	1,000,000	1,000,000	2,964,000	1st Qtr. 2012	2nd Qtr. 2014
Treatment Plant Fire Main Replacement	1,533,000	1,533,000	2,894,000	1st Qtr. 2012	2nd Qtr. 2014
Treatment Plant Street Rehabilitation	810,000	2,810,000	*	Ongoing	Ongoing
Urgent and Unscheduled Treatment Plant Rehabilitation	1,500,000	7,500,000	*	Ongoing	Ongoing
Total: Construction/Non-Construction	132,235,000	707,680,000			
Ending Fund Balance	51,245,157	17,447,157 **			

Capital Program Summary by City Service Area
Environmental and Utility Services

	2013-2014 Budget	2014-2018 CIP Budget	Total Budget (All Years)	Start Date	End Date
Water Pollution Control (Cont'd.)					
Total: Water Pollution Control	183,480,157	725,127,157 **			
Water Utility System					
Advance System Design	120,000	600,000	*	Ongoing	Ongoing
Cadwallader Reservoir Rehabilitation		1,170,000	1,170,000	3rd Qtr. 2015	2nd Qtr. 2018
Capital Program and Public Works Department Support Service Costs	26,000	130,000	*	Ongoing	Ongoing
Dove Road Main Extension	800,000	800,000	865,000	3rd Qtr. 2012	2nd Qtr. 2014
Elkins Way Main Replacement		1,010,000	1,010,000	3rd Qtr. 2016	2nd Qtr. 2018
Gumdrop Drive Main Replacement		1,140,000	1,140,000	3rd Qtr. 2014	3rd Qtr. 2016
Infrastructure Improvements	940,000	3,900,000	*	Ongoing	Ongoing
Major Facilities Fee Administration	15,000	75,000	*	Ongoing	Ongoing
Master Plan Engineering	135,000	705,000	*	Ongoing	Ongoing
Meter Installations	101,000	301,000	*	Ongoing	Ongoing
Meter Replacements	500,000	500,000	500,000	3rd Qtr. 2013	2nd Qtr. 2014
Network System Flow Improvements	6,000	30,000	*	Ongoing	Ongoing
Nortech and Trimble Reservoir Rehabilitation	1,340,000	1,340,000	1,400,000	3rd Qtr. 2012	2nd Qtr. 2014
North Coyote Valley Water System	168,000	168,000	8,083,000	2nd Qtr. 2001	2nd Qtr. 2014
Preliminary Engineering	115,000	625,000	*	Ongoing	Ongoing
Public Art	96,000	140,000	*	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	2,035,000	2,797,000	2,797,000	N/A	N/A
Service Installations	200,000	1,000,000	*	Ongoing	Ongoing
System Maintenance/Repairs	620,000	3,300,000	*	Ongoing	Ongoing
Transfer to the City Hall Debt Service Fund	8,000	46,000	*	Ongoing	Ongoing
Water Valve Rehabilitation 2014	400,000	500,000	500,000	3rd Qtr. 2013	2nd Qtr. 2015
Total: Construction/Non-Construction	9,290,000	22,202,000			
Ending Fund Balance	2,462,729	2,562,729 **			

Capital Program Summary by City Service Area
Environmental and Utility Services

	2013-2014 Budget	2014-2018 CIP Budget	Total Budget (All Years)	Start Date	End Date
Water Utility System (Cont'd.)					
Total: Water Utility System	11,752,729	24,764,729 **			
CSA Total: Construction/Non-Construction	262,116,000	987,938,000 **			
Ending Fund Balance	64,868,148	22,677,148 **			
CSA Total:	326,984,148	1,010,615,148 **			

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

**The 2013-2014 through 2016-2017 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.