



2014-2015 CAPITAL BUDGET

**2015-2019 CAPITAL
IMPROVEMENT PROGRAM**

**ENVIRONMENTAL
AND
UTILITY SERVICES
CSA**

**ENVIRONMENTAL AND
UTILITY SERVICES CSA**

City Service Area Environmental and Utility Services

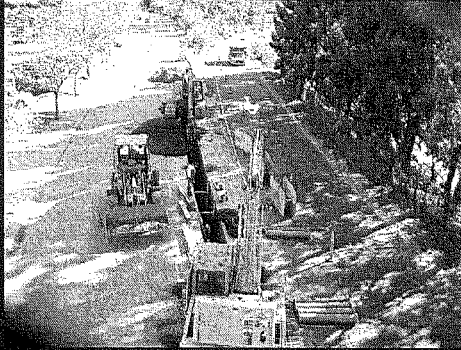
Mission: Delivering world class utility services and programs to improve our health, environment, and economy.

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 advanced wastewater treatment facility that serves the cities of San José, Santa Clara, Milpitas, Cupertino Sanitary District, West Valley Sanitation District, County Sanitation Districts 2-3, and Burbank Sanitary Districts. The Plant is one of the largest tertiary wastewater treatment works in the western United States, serving more than 1.4 million residents and approximately 17,000 businesses. A major master planning effort was completed in late 2013, resulting in Environmental Impact Report certification and formal adoption of a 30-year master plan. The master plan provides the framework for over \$1.0 billion in new construction at the Plant over the next 10 to 15 years, and responds to aging infrastructure, future regulations, population growth, and treatment technology improvements.

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.



**Parkmoor Sanitary Sewer
Replacement Project**



Water Pollution Control Plant

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:
 - Sanitary Sewer Condition Assessment 2013 East and West - inspected and assessed 125 miles of pipes (completed in Feb. 2014)
- Storm Sewer System CIP:
 - Citywide Storm Sewer Inlet and Lateral Replacement – replaced and upsized inlets and laterals at 35 locations throughout the City (completed in Sept. 2013)
 - Gateway Pump Station – rehabilitated and upgraded the electrical and mechanical systems (completed in Feb. 2014)
- Water Pollution Control CIP:
 - Program Management Services – awarded a multi-year consultant agreement to assist with program validation, prioritization, and start-up (awarded in Sept. 2013)
 - Street Rehabilitation-Phase Two – replaced curbs, gutters, sidewalks, driveways, and pavement on Main Street, from A Street to C Street (completed in Oct. 2013)
- Water Utility System CIP:
 - Dove Road Main Extension – connected two water systems to increase reliability and redundancy (completed in Dec. 2013)

Program Highlights

Sanitary Sewer System Capital Program

2015-2019 Proposed CIP: \$191.9 million

Sanitary Sewer Rehabilitation Projects:

- Sanitary Sewer Condition Assessment Repairs
- Spreckles Sanitary Sewer Pump Station and Force Main

Sanitary Sewer Interceptor/Capacity Improvement Projects:

- 60-inch Brick Interceptor - Phase VIA and VIB
- Almaden Expressway Sanitary Sewer Improvements

Storm Sewer System Capital Program

2015-2019 Proposed CIP: \$56.4 million

- Storm Sewer Master Plan City-wide
- Large Trash Capture Devices
- Willow Glen – Guadalupe, Phase III

Water Pollution Control Capital Program

2015-2019 Proposed CIP: \$887.0 million

Preliminary Wastewater Treatment:

- Headworks Improvements
- New Headworks

Primary Wastewater Treatment:

- Iron Salt Feed Station

Biosolids:

- Digester and Thickener Facility Upgrades

Electrical Systems and Power Generation:

- Emergency Diesel Generators
- Cogeneration Facility
- Electrical Reliability Improvements

Water Utility System Capital Program

2015-2019 Proposed CIP: \$25.9 million

- Cadwallader Reservoir Rehabilitation
- North San José Well Evaluation and Rehabilitation
- Gumdrop Drive Main Replacement

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	2012-2013 Actual*	2013-2014 Target	2013-2014 Estimate	2014-2015 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	93% (26/28)	85%	82% (18/22)	85%	85%
	2. % of CIP projects that are completed within the approved baseline budget***	83% (19/23)	90%	87% (20/23)	90%	90%

Changes to Performance Measures from 2013-2014 Adopted Budget: No

* The 2012-2013 Actual number of projects may vary from the 2012-2013 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 2012-2013 Actual not originally included in the 2012-2013 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 2013-2014, the Environmental and Utility Services CSA is estimated to deliver 18 of 22 (82%) projects within two months of the approved baseline schedule, which is slightly below the performance target of 85%. Some of the notable capital projects delivered in 2013-2014 include sanitary and storm sewer improvements (Arroyo De Platina, Bird Avenue, Brookwood Terrace, Lincoln/San Carlos, Monterey-Riverside, Phase V, Old Bayshore, and South White Road), the Gateway storm pump station rehabilitation project, the Nortech and Trimble Reservoir Rehabilitation project and various projects at the Water Pollution Control Plant such as the Chlorine and Sulfur Dioxide Building Decommissioning and Dissolved Air Flotation Dissolution Improvements.

In 2013-2014, an estimated 20 of 23 (87%) 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%. A few of the notable capital projects completed in 2013-2014 include the Monterey-Riverside Sanitary Sewer Rehabilitation Phase V, the Gateway East Storm Sewer Improvements, and the Water Pollution Control Plant Street Treatment Phase 2 projects. 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

	2014-2015 Budget	2015-2019 CIP Budget	Total Budget (All Years)	Start Date	End Date
<u>Sanitary Sewer System</u>					
11th Street Sanitary Sewer Replacement	1,497,000	1,725,000	1,847,000	3rd Qtr. 2013	2nd Qtr. 2016
30" Old Bayshore Supplement	3,807,000	3,807,000	4,236,000	3rd Qtr. 2008	2nd Qtr. 2015
60" Brick Interceptor, Phase VIA and VIB	26,863,000	28,061,000	66,721,382	3rd Qtr. 2009	2nd Qtr. 2017
Almaden Expressway Sanitary Sewer Improvements	446,000	446,000	5,035,000	3rd Qtr. 2010	2nd Qtr. 2015
Almaden Supplement Sewer Rehabilitation (North)		2,730,000	2,908,000	3rd Qtr. 2010	2nd Qtr. 2019
Bollinger Road - Blaney Avenue Sanitary Sewer Improvements	22,000	22,000	1,261,000	3rd Qtr. 2012	2nd Qtr. 2015
Capital Program and Public Works Department Support Service Costs	1,703,000	5,817,000	*	Ongoing	Ongoing
Capitol Avenue Sanitary Sewer Improvements	2,611,000	2,773,000	2,773,000	3rd Qtr. 2014	2nd Qtr. 2016
Cast Iron Pipe - Remove and Replace	2,500,000	15,500,000	*	Ongoing	Ongoing
Cast Iron Pipe Replacement - West	1,603,000	1,603,000	1,767,000	3rd Qtr. 2013	2nd Qtr. 2015
Coleman Road Sanitary Sewer Improvements	1,167,000	1,178,000	1,356,000	3rd Qtr. 2013	2nd Qtr. 2016
Condition Assessment Sewer Repairs	2,000,000	10,000,000	*	Ongoing	Ongoing
Fee Administration	81,000	418,000	*	Ongoing	Ongoing
Flow Monitoring Program (Master Planning)	1,713,000	4,426,000	*	Ongoing	Ongoing
Fourth Major Interceptor, Phase IIB/IIIB	2,352,000	2,648,000	2,782,000	3rd Qtr. 2009	2nd Qtr. 2016
Fourth Major Interceptor, Phase VIIA		5,500,000	5,500,000	3rd Qtr. 2016	2nd Qtr. 2018
Husted Avenue Sanitary Sewer Improvement - Phase II	2,862,000	2,888,000	2,888,000	3rd Qtr. 2014	2nd Qtr. 2016
Husted-Richland Sanitary Sewer Improvements	314,000	314,000	3,527,000	3rd Qtr. 2010	2nd Qtr. 2015
Immediate Replacement and Diversion Projects	3,000,000	18,000,000	*	Ongoing	Ongoing
Inflow and Infiltration Reduction	500,000	2,500,000	*	Ongoing	Ongoing
Infrastructure - Sanitary Sewer Condition Assessment	2,500,000	12,500,000	*	Ongoing	Ongoing
Infrastructure Management System	47,000	246,000	*	Ongoing	Ongoing
Kelez Drive and El Prado Drive Sanitary Sewer Replacement	999,000	1,103,000	1,232,000	3rd Qtr. 2013	2nd Qtr. 2016
Mackey Avenue Sanitary Sewer Replacement	260,000	260,000	1,474,000	3rd Qtr. 2010	2nd Qtr. 2015
Master Planning Updates	1,082,000	4,736,000	*	Ongoing	Ongoing
Minnesota Avenue Sanitary Sewer Improvements	188,000	197,000	1,739,000	3rd Qtr. 2010	4th Qtr. 2015
Monterey-Riverside Relief Sanitary Sewer Improvements	700,000	700,000	4,724,000	3rd Qtr. 2011	2nd Qtr. 2015
North San José Sanitary Sewer Improvements	211,000	211,000	240,000	3rd Qtr. 2010	2nd Qtr. 2015

Capital Program Summary by City Service Area

Environmental and Utility Services

	2014-2015 Budget	2015-2019 CIP Budget	Total Budget (All Years)	Start Date	End Date
Sanitary Sewer System (Cont'd.)					
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	130,000	456,000		* Ongoing	Ongoing
Public Works Engineering Services Equipment (Materials Lab)	40,000	200,000		* Ongoing	Ongoing
Rehabilitation of Sanitary Sewer Pump Stations	5,800,000	5,800,000	7,721,000	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	258,000	258,000	3,885,000	3rd Qtr. 2012	2nd Qtr. 2015
Spreckles Sanitary Sewer Force Main Supplement	85,000	85,000	4,915,000	3rd Qtr. 2008	2nd Qtr. 2015
Spreckles Sanitary Sewer Force Main Supplement, Phase II	1,668,000	1,859,000	2,134,000	3rd Qtr. 2013	2nd Qtr. 2016
Stevens Creek Boulevard Sanitary Sewer Improvements	150,000	3,158,000	3,381,000	3rd Qtr. 2012	2nd Qtr. 2016
Story Road Easement Sanitary Sewer Replacement	1,360,000	1,360,000	1,600,000	3rd Qtr. 2012	2nd Qtr. 2015
Story Road Sanitary Sewer Improvements	75,000	3,158,000	3,158,000	3rd Qtr. 2014	2nd Qtr. 2017
The Villages Sanitary Sewer Replacement	1,080,000	1,080,000	1,250,000	3rd Qtr. 2013	2nd Qtr. 2015
Transfer to the City Hall Debt Service Fund	328,000	1,766,000		* Ongoing	Ongoing
Transfer to the General Fund: Human Resources/Payroll System Upgrade	7,000	7,000	4,807,000	N/A	N/A
Trimble Road Sanitary Sewer Improvements	2,200,000	2,200,000	2,200,000	3rd Qtr. 2013	2nd Qtr. 2015
Trimble Road and Capewood Lane Sanitary Sewer Improvements	607,000	5,048,000	5,325,000	2nd Qtr. 2014	2nd Qtr. 2016
Urgent Rehabilitation and Repair Projects	3,000,000	19,000,000		* Ongoing	Ongoing
Westmont Avenue and Harriet Avenue Sanitary Sewer Improvement		3,799,000	3,799,000	3rd Qtr. 2016	2nd Qtr. 2019
Total: Construction/Non-Construction	79,826,000	189,593,000			
Ending Fund Balance	4,403,491	2,349,491	**		
Total: Sanitary Sewer System	84,229,491	191,942,491	**		
Storm Sewer System					
Almaden-Canoas Storm Sewer Improvements	600,000	600,000	802,000	3rd Qtr. 2013	2nd Qtr. 2015

Capital Program Summary by City Service Area

Environmental and Utility Services

	2014-2015 Budget	2015-2019 CIP Budget	Total Budget (All Years)	Start Date	End Date
Storm Sewer System (Cont'd.)					
Alviso Storm Network Infiltration Control	45,000	45,000	1,341,000	3rd Qtr. 2011	2nd Qtr. 2015
Alviso Storm Pump Station	500,000	500,000	2,000,000	3rd Qtr. 2013	2nd Qtr. 2015
Alviso Storm Pump Station Reserve	9,000,000	9,000,000	9,000,000	N/A	N/A
Capital Program and Public Works Department Support Service Costs	570,000	2,098,000		* Ongoing	Ongoing
Charcot Storm Pump Station at Coyote Creek	1,500,000	1,500,000	1,500,000	3rd Qtr. 2013	2nd Qtr. 2015
Fee Administration	25,000	145,000		* Ongoing	Ongoing
Flow Monitoring Program	654,000	1,470,000	2,628,000	3rd Qtr. 2010	2nd Qtr. 2012
Infrastructure Management System	9,000	45,000		* Ongoing	Ongoing
Large Trash Capture Devices	3,628,000	11,480,000	11,480,000	3rd Qtr. 2014	2nd Qtr. 2016
Madrona Avenue Storm Sewer Improvements	10,000	10,000	346,000	3rd Qtr. 2013	2nd Qtr. 2015
Martha Gardens Green Alley	166,000	166,000	1,493,000	2nd Qtr. 2013	2nd Qtr. 2015
Minor Neighborhood Storm Sewer Improvements	300,000	2,700,000		* Ongoing	Ongoing
Outfall Rehabilitation - Capital	400,000	2,400,000		* Ongoing	Ongoing
Park Avenue Green Avenue	1,206,000	1,206,000	1,206,000	3rd Qtr. 2014	2nd Qtr. 2015
Permit Review and Inspection for Outside Agencies	50,000	150,000		* Ongoing	Ongoing
Preliminary Engineering	185,000	850,000		* Ongoing	Ongoing
Program Management	150,000	750,000		* Ongoing	Ongoing
Public Art	69,000	227,000		* Ongoing	Ongoing
Storm Pump Station Rehabilitation and Replacement	400,000	2,000,000		* Ongoing	Ongoing
Storm Sewer Improvements - Special Corridors	300,000	2,800,000		* Ongoing	Ongoing
Storm Sewer Master Plan - City-wide	2,100,000	5,350,000		* Ongoing	Ongoing
Storm Sewer Master Plan Reserve	3,000,000	3,000,000	3,000,000	N/A	N/A
Transfer to the City Hall Debt Service Fund	118,000	636,000		* Ongoing	Ongoing
Transfer to the General Fund: Human Resources/Payroll System	3,000	3,000		* Ongoing	Ongoing
Transfer to the General Fund: Interest Income	3,000	7,000		* Ongoing	Ongoing
Urgent Flood Prevention and Repair Projects	400,000	3,600,000		* Ongoing	Ongoing
Willow Glen-Guadalupe, Phase III	1,445,000	1,445,000	1,745,000	3rd Qtr. 2013	2nd Qtr. 2015
Total: Construction/Non-Construction	26,836,000	54,183,000			

Capital Program Summary by City Service Area

Environmental and Utility Services

	2014-2015 Budget	2015-2019 CIP Budget	Total Budget (All Years)	Start Date	End Date
<u>Storm Sewer System</u> (Cont'd.)					
Ending Fund Balance	903,915	2,248,915 **			
Total: Storm Sewer System	27,739,915	56,431,915 **			
<u>Water Pollution Control</u>					
2015-2017 Transfer to Clean Water Financing Authority Debt Service		79,649,000	79,649,000	3rd Qtr. 2015	2nd Qtr 2045
Advanced Facility Control and Meter Replacement	340,000	29,390,000	33,947,000	3rd Qtr. 2010	2nd Qtr. 2024
Aeration Tanks and Blower Rehabilitation	1,580,000	43,940,000	114,880,000	1st Qtr. 2015	3rd Qtr. 2025
Capital Program and Public Works Department Support Service Costs	692,000	3,530,000		* Ongoing	Ongoing
Combined Heat and Power Equipment Repair and Rehabilitation	420,000	820,000	11,914,000	3rd Qtr. 2012	3rd Qtr. 2016
Digested Sludge Dewatering Facility	2,940,000	68,230,000	69,230,000	2nd Qtr. 2014	2nd Qtr. 2019
Digester and Thickener Facilities Upgrade	1,440,000	63,680,000	140,686,000	3rd Qtr. 2006	1st Qtr. 2025
East Primary Rehabilitation, Seismic Retrofit, and Odor Control		42,180,000	109,565,000	3rd Qtr. 2010	3rd Qtr. 2024
Energy Generation Improvements	11,070,000	86,990,000	125,806,000	3rd Qtr. 2012	1st Qtr. 2018
Equipment Replacement	1,663,000	8,315,000		* Ongoing	Ongoing
Equipment Replacement Reserve	5,000,000	5,000,000	5,000,000	N/A	N/A
Facility Wide Water Systems Improvements	460,000	13,800,000	14,130,000	3rd Qtr. 2014	1st Qtr. 2022
Filter Rehabilitation	490,000	26,520,000	27,700,000	3rd Qtr. 2013	3rd Qtr. 2020
Headworks Improvements	1,240,000	28,020,000	29,679,000	3rd Qtr. 2012	3rd Qtr. 2019
Iron Salt Feed Station	3,010,000	3,300,000	5,290,000	1st Qtr. 2012	2nd Qtr. 2017
Lagoons and Drying Beds Retirement		12,220,000	31,660,000	1st Qtr. 2016	2nd Qtr. 2025
Master Plan Updates		3,000,000	3,000,000	4th Qtr. 2016	4th Qtr. 2018
New Disinfection Facilities		370,000	55,620,000	2nd Qtr. 2019	1st Qtr. 2027
New Headworks	2,880,000	88,370,000	91,217,000	3rd Qtr. 2012	3rd Qtr. 2022
Outfall Bridge and Levee Improvements	300,000	8,120,000	8,120,000	3rd Qtr. 2014	2nd Qtr. 2019
Payment for Clean Water Financing Authority Trustee	5,000	25,000		* Ongoing	Ongoing
Plant Electrical Reliability	5,600,000	6,000,000	30,915,000	3rd Qtr. 2003	4th Qtr. 2016
Plant Infrastructure Improvements	1,000,000	8,890,000		* Ongoing	Ongoing
Plant Instrument Air System Upgrade	8,540,000	9,100,000	9,100,000	3rd Qtr. 2014	1st Qtr. 2019

Capital Program Summary by City Service Area
Environmental and Utility Services

	2014-2015 Budget	2015-2019 CIP Budget	Total Budget (All Years)	Start Date	End Date
<u>Water Pollution Control</u> (Cont'd.)					
Preliminary Engineering	5,000,000	9,000,000	10,244,000	N/A	N/A
Program Management	11,390,000	40,870,000	50,817,000	N/A	N/A
Public Art	287,000	2,566,000	*	Ongoing	Ongoing
Record Drawings	250,000	13,220,000	13,570,000	N/A	N/A
SBWR System Reliability and Infrastructure Replacement	1,500,000	3,000,000	5,388,000	3rd Qtr. 2012	2nd Qtr. 2016
Secondary Clarifier Rehabilitation Demonstration		2,030,000	2,080,000	1st Qtr. 2017	2nd Qtr. 2020
Secondary and Nitrification Clarifier Rehabilitation	160,000	26,420,000	61,693,000	3rd Qtr. 2009	4th Qtr. 2026
State Revolving Fund Loan Repayment	4,464,000	19,660,000	87,355,000	3rd Qtr. 1998	2nd Qtr. 2019
Support Building Improvements	490,000	22,220,000	55,590,000	1st Qtr. 2015	3rd Qtr. 2023
Thermal Drying Facility		2,590,000	132,010,000	1st Qtr. 2019	4th Qtr. 2023
Transfer to Clean Water Financing Authority Debt Service Payment Fund	6,915,000	32,051,000	53,885,000	2nd Qtr. 1996	4th Qtr. 2020
Transfer to General Fund: Human Resources/Payroll System Upgrade	4,000	4,000	*	Ongoing	Ongoing
Transfer to the City Hall Debt Service Fund	96,000	517,000	*	Ongoing	Ongoing
Treatment Plant Distributed Control System	500,000	1,500,000	4,401,000	1st Qtr. 2012	2nd Qtr. 2017
Treatment Plant Fire Main Replacement	250,000	250,000	3,141,000	1st Qtr. 2012	2nd Qtr. 2015
Tunnel Rehabilitation	60,000	9,910,000	25,550,000	2nd Qtr. 2015	4th Qtr. 2024
Urgent and Unscheduled Treatment Plant Rehabilitation	1,500,000	7,500,000	*	Ongoing	Ongoing
Yard Piping and Road Improvements	270,000	49,320,000	*	Ongoing	Ongoing
Total: Construction/Non-Construction	81,806,000	882,087,000			
Ending Fund Balance	60,483,697	4,891,697 **			
Total: Water Pollution Control	142,289,697	886,978,697 **			
<u>Water Utility System</u>					
Advance System Design	150,000	750,000	*	Ongoing	Ongoing
Cadwallader Reservoir Rehabilitation	250,000	1,820,000	1,820,000	3rd Qtr. 2014	2nd Qtr. 2017
Capital Program and Public Works Department Support Service Costs	17,000	85,000	*	Ongoing	Ongoing

Capital Program Summary by City Service Area

Environmental and Utility Services

	2014-2015 Budget	2015-2019 CIP Budget	Total Budget (All Years)	Start Date	End Date
Water Utility System (Cont'd.)					
Edenvale Reservoir Rehabilitation		900,000	900,000	3rd Qtr. 2016	2nd Qtr. 2017
Elkins Way Main Replacement		1,010,000	1,010,000	3rd Qtr. 2017	4th Qtr. 2019
Gumdrop Drive Main Replacement		1,140,000	1,140,000	3rd Qtr. 2016	2nd Qtr. 2019
Infrastructure Improvements	710,000	3,750,000	*	Ongoing	Ongoing
Major Facilities Fee Administration	15,000	75,000	*	Ongoing	Ongoing
Major Water Facility Fee Update	50,000	50,000	50,000	3rd Qtr. 2005	2nd Qtr. 2006
Master Plan Engineering	135,000	725,000	*	Ongoing	Ongoing
Meter Installations	50,000	250,000	*	Ongoing	Ongoing
Meter Replacements	500,000	1,000,000	1,500,000	3rd Qtr. 2013	2nd Qtr. 2016
Network System Flow Improvements	6,000	30,000	*	Ongoing	Ongoing
North Coyote Valley Water System	168,000	168,000		2nd Qtr. 2001	2nd Qtr. 2015
North San José Water Well Evaluation and Rehabilitation	625,000	625,000	625,000	3rd Qtr. 2014	2nd Qtr. 2015
Preliminary Engineering	120,000	650,000	*	Ongoing	Ongoing
Public Art	11,000	58,000	*	Ongoing	Ongoing
Public Works GIS Support	130,000	390,000	*	Ongoing	Ongoing
Service Installations	200,000	1,000,000	*	Ongoing	Ongoing
System Growth Related Projects Reserve	1,600,000	1,600,000	1,600,000	N/A	N/A
System Maintenance/Repairs	640,000	3,400,000	*	Ongoing	Ongoing
System Rehabilitation/Replacement Reserve	2,341,000	3,308,000	3,308,000	N/A	N/A
Transfer to the City Hall Debt Service Fund	7,000	37,000	*	Ongoing	Ongoing
Transfer to the General Fund: Human Resources/Payroll System	1,000	1,000	1,000	ongoing	ongoing
Water Valve Rehabilitation 2014	100,000	100,000	500,000	4th Qtr. 2013	2nd Qtr. 2015
Total: Construction/Non-Construction	7,826,000	22,922,000			
Ending Fund Balance	3,332,354	2,960,354 **			
Total: Water Utility System	11,158,354	25,882,354 **			

Capital Program Summary by City Service Area

Environmental and Utility Services

	2014-2015 Budget	2015-2019 CIP Budget	Total Budget (All Years)	Start Date	End Date
CSA Total: Construction/Non-Construction	196,294,000	1,148,785,000 **			
Ending Fund Balance	69,123,457	12,450,457 **			
CSA Total:	265,417,457	1,161,235,457 **			

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

**The 2014-2015 through 2017-2018 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.