

# 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 to replace or rehabilitate pump stations to reduce the risk of local flooding during storm events and storm water quality improvements for regulatory compliance. The program addresses the drainage needs in residential neighborhoods, business districts, and walking routes to schools and public facilities.

The Water Pollution Control Plant (Plant) is a regional advanced wastewater treatment facility that serves the cities of San José, Santa Clara, and Milpitas, as well as the Cupertino Sanitary District, West Valley Sanitation District, County Sanitation Districts 2-3, and Burbank Sanitary District. 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.



**Almaden Expressway Sanitary  
Sewer Improvement Project**  
(Bore and Jack Operation)



**Water Pollution Control Plant**

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## CSA CAPITAL PROGRAMS

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

# City Service Area Environmental and Utility Services

## Recent Accomplishments

- Mackey Avenue Sanitary Sewer Replacement – Replaced approximately 2,300 feet of 6-inch sanitary sewer pipe along Mackey Avenue (completed in Aug. 2015)
- Northern Gate Structure Replacement at the Water Pollution Control Plant – Replaced the existing gate structure at the former salt production pond (completed in Aug. 2015)
- Coleman Road Sanitary Sewer Improvements – Replaced approximately 6,300 feet of 8- and 10-inch sewer pipe with 12- and 18-inch pipe, respectively, along Coleman Road to increase capacity (completed in Feb. 2016)
- Handrail Replacements at the Water Pollution Control Plant – Replaced approximately 8,500 feet of railing and repaired cracked concrete at 32 secondary aeration tanks (completed in Aug. 2015)
- Almaden Expressway Sanitary Sewer Improvements – Upsized 7,300 feet of sewer mains along Almaden Expressway between Greystone and Randol Creek to increase capacity (completed in Nov. 2015)

## Program Highlights

### Sanitary Sewer System Capital Program

2017-2021 Adopted CIP: \$228.2 million

#### Sanitary Sewer Rehabilitation Projects:

- Cast Iron Pipe – Remove and Replace
- Condition Assessment Sewer Repairs

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

- 60” Brick Interceptor, Phase VIA and VIB
- Trimble Road and Capewood Lane Sanitary Sewer Improvements

### Storm Sewer System Capital Program

2017-2021 Adopted CIP: \$49.3 million

- Alviso Storm Pump Station
- Large Trash Capture Devices
- Storm Sewer Master Plan – City-wide

### Water Pollution Control Capital Program

2017-2021 Adopted CIP: \$970.5 million

#### Preliminary Wastewater Treatment:

- Headworks Improvements
- New Headworks

#### Primary Wastewater Treatment:

- East Primary Rehabilitation, Seismic Retrofit, and Odor Control

#### Secondary Wastewater Treatment:

- Aeration Tanks and Blower Rehabilitation

#### Biosolids:

- Digester and Thickener Facilities Upgrade

#### Electrical Systems and Power Generation:

- Energy Generation Improvements

### Water Utility System Capital Program

2017-2021 Adopted CIP: \$32.2 million

- Edenvale Reservoir Rehabilitation
- Meter Replacements
- North San José Well #5 Development and Construction

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## 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	2014-2015 Actual <sup>1</sup>	2015-2016 Target	2015-2016 Estimate	2016-2017 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 <sup>2</sup>	89% (24/27)	85%	67% (20/30)	85%	85%
	2. % of CIP projects that are completed within the approved baseline budget <sup>3</sup>	96% (25/26)	90%	94% (32/34)	90%	90%

<sup>1</sup> The 2014-2015 Actual number of projects may vary from the 2014-2015 Adopted Budget Estimate as documented in the 2015-2016 Adopted Budget 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 2014-2015 Actual not originally included in the 2014-2015 Adopted Budget Estimate due to incomplete project information at that time.

<sup>2</sup> Projects are considered to be “delivered” when they are available for their intended use and are considered “on schedule” if delivered within two months of baseline schedule.

<sup>3</sup> 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 2015-2016, the Environmental and Utility Services CSA delivered an estimated 20 of 30 (67%) projects within two months of the approved baseline schedule, which is below the performance target of 85%. Significant weather-related construction delays contributed to several projects being delivered beyond two months of the baseline schedule. Some of the notable capital projects delivered in 2015-2016 include sanitary and storm sewer improvements (Coleman Road, Mackey Avenue, Story Road, and Eleventh Street), and various projects at the Water Pollution Control Plant, such as the Pond A18 Northern Gate Replacement and the Handrail Replacement Phase V projects.

In 2015-2016, an estimated 32 of 34 (94%) of the projects were completed within their baseline budgets, which is above the one-year performance target of 90%. A few of the notable capital projects completed in 2015-2016 include the Almaden Expressway Sanitary Sewer Improvements, Husted-Richland Sanitary Sewer Improvements, Story Road Easement Sanitary Sewer Replacement, and Fire Main Replacement Phase III project at the Water Pollution Control Plant. 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

	2016-2017 Budget	2017-2021 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b>Sanitary Sewer System</b>					
30" Old Bayshore Supplement	1,363,000	1,363,000	5,646,000	3rd Qtr. 2008	2nd Qtr. 2017
60" Brick Interceptor, Phase VIA and VIB	29,038,000	30,381,000	68,479,382	3rd Qtr. 2009	2nd Qtr. 2019
Almaden Supplement Sewer Rehabilitation (North)		2,730,000	2,960,000	3rd Qtr. 2020	2nd Qtr. 2021
Bollinger Road - Moorpark Avenue - Williams Road Sanitary Sewer Improvements	953,000	9,531,000	13,241,000	3rd Qtr. 2012	2nd Qtr. 2021
Capital Program and Public Works Department Support Service Costs	1,594,000	5,605,000		*	Ongoing
Capitol Avenue Sanitary Sewer Improvements	793,000	793,000	2,612,000	3rd Qtr. 2014	4th Qtr. 2016
Cast Iron Pipe - Remove and Replace	4,500,000	22,500,000		*	Ongoing
Coleman Road Sanitary Sewer Improvements	497,000	497,000	1,811,000	3rd Qtr. 2013	4th Qtr. 2016
Condition Assessment Sewer Repairs	5,500,000	27,500,000		*	Ongoing
Fee Administration	84,000	422,000		*	Ongoing
Flow Monitoring Program (Master Planning)	760,000	3,850,000		*	Ongoing
Fourth Major Interceptor, Phase IIB/IIIB	686,000	686,000	3,449,000	3rd Qtr. 2009	2nd Qtr. 2017
Fourth Major Interceptor, Phase VIIA		5,500,000	5,500,000	3rd Qtr. 2018	2nd Qtr. 2020
Husted-Richland Sanitary Sewer Improvements	40,000	40,000	3,234,000	3rd Qtr. 2010	4th Qtr. 2016
Immediate Replacement and Diversion Projects	6,800,000	24,300,000		*	Ongoing
Inflow and Infiltration Reduction	200,000	1,000,000		*	Ongoing
Infrastructure - Sanitary Sewer Condition Assessment	3,000,000	15,000,000		*	Ongoing
Infrastructure Management System	30,000	170,000		*	Ongoing
Kelez Drive and El Prado Drive Sanitary Sewer Replacement	50,000	50,000	1,135,000	3rd Qtr. 2013	4th Qtr. 2016
Master Planning Updates	1,200,000	6,310,000		*	Ongoing
Montague Sanitary Sewer Pump Station Reserve	2,400,000	2,400,000	2,400,000	N/A	N/A
Monterey-Riverside Relief Sanitary Sewer Improvements	781,000	781,000	8,438,000	3rd Qtr. 2011	4th Qtr. 2016
Payments to West Valley Sanitation District	10,000	50,000		*	Ongoing
Permit Review and Inspection for Outside Agencies	50,000	150,000		*	Ongoing
Preliminary Engineering	950,000	4,750,000		*	Ongoing
Program Management	300,000	1,500,000		*	Ongoing
Public Art	1,144,000	1,541,000		*	Ongoing
Public Works Engineering Services Equipment (Materials Lab)	40,000	200,000		*	Ongoing

# Capital Program Summary by City Service Area

## Environmental and Utility Services

	2016-2017 Budget	2017-2021 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b>Sanitary Sewer System (Cont'd.)</b>					
Rehabilitation of Sanitary Sewer Pump Stations	4,298,000	4,298,000	7,245,000	3rd Qtr. 2008	2nd Qtr. 2017
Reinforced Concrete Pipe Rehabilitation Program	500,000	2,500,000	*	Ongoing	Ongoing
Rincon Avenue - Virginia Avenue Sanitary Sewer Improvements		3,467,000	3,621,000	3rd Qtr. 2017	2nd Qtr. 2019
Spreckles Sanitary Sewer Force Main Supplement	100,000	100,000	4,916,000	3rd Qtr. 2008	4th Qtr. 2016
Spreckles Sanitary Sewer Force Main Supplement, Phase II	325,000	325,000	3,606,000	3rd Qtr. 2013	2nd Qtr. 2017
Stevens Creek Boulevard Sanitary Sewer Improvements	632,000	632,000	3,478,000	3rd Qtr. 2012	2nd Qtr. 2017
Transfer to the City Hall Debt Service Fund	389,000	2,108,000	*	Ongoing	Ongoing
Transfer to the General Fund - Human Resources/Payroll/ Budget Systems Upgrade	7,000	7,000	9,551,000	N/A	N/A
Trimble Road and Capewood Lane Sanitary Sewer Improvements	5,140,000	5,140,000	5,522,000	2nd Qtr. 2014	2nd Qtr. 2017
Urgent Rehabilitation and Repair Projects	8,000,000	32,000,000	*	Ongoing	Ongoing
Westmont Avenue and Harriet Avenue Sanitary Sewer Improvements		4,075,000	4,075,000	3rd Qtr. 2017	2nd Qtr. 2020
<b>Total: Construction/Non-Construction</b>	<b>82,154,000</b>	<b>224,252,000</b>			
Ending Fund Balance	4,880,401	3,988,401 **			
<b>Total: Sanitary Sewer System</b>	<b>87,034,401</b>	<b>228,240,401 **</b>			
<b>Storm Sewer System</b>					
Alviso Storm Pump Station	8,900,000	8,900,000	10,243,000	3rd Qtr. 2013	2nd Qtr. 2017
Capital Program and Public Works Department Support Service Costs	792,000	1,586,000	*	Ongoing	Ongoing
Charcot Storm Pump Rental	300,000	1,500,000	1,800,000	4th Qtr. 2015	2nd Qtr. 2021
Chynoweth Avenue Green Street	2,187,000	2,187,000	2,637,000	3rd Qtr. 2014	2nd Qtr. 2017
Condition Assessment Storm Sewer Repairs	500,000	2,500,000	*	Ongoing	Ongoing
Fee Administration	25,000	125,000	*	Ongoing	Ongoing
Flow Monitoring Program	350,000	1,750,000	*	Ongoing	Ongoing
Infrastructure Management System	6,000	30,000	*	Ongoing	Ongoing
Large Trash Capture Devices	6,800,000	6,800,000	13,170,000	3rd Qtr. 2014	2nd Qtr. 2017
Minor Neighborhood Storm Sewer Improvements	500,000	2,100,000	*	Ongoing	Ongoing



# Capital Program Summary by City Service Area

## Environmental and Utility Services

	2016-2017 Budget	2017-2021 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b><u>Storm Sewer System (Cont'd.)</u></b>					
Ocala Avenue Green Street Project	2,250,000	2,526,000	2,787,000	1st Qtr. 2015	2nd Qtr. 2018
Outfall Rehabilitation - Capital	1,000,000	2,700,000	*	Ongoing	Ongoing
Park Avenue Green Street Pilot	1,200,000	1,200,000	1,413,000	3rd Qtr. 2014	2nd Qtr. 2017
Permit Review and Inspection for Outside Agencies	50,000	250,000	*	Ongoing	Ongoing
Preliminary Engineering	180,000	900,000	*	Ongoing	Ongoing
Program Management	150,000	750,000	*	Ongoing	Ongoing
Public Art	395,000	437,000	*	Ongoing	Ongoing
Stockton Avenue - Julian Street Storm Sewer Improvements	350,000	350,000	350,000	3rd Qtr. 2016	2nd Qtr. 2017
Storm Pump Station Rehabilitation and Replacement	500,000	1,900,000	*	Ongoing	Ongoing
Storm Sewer Improvements - Special Corridors	500,000	1,900,000	*	Ongoing	Ongoing
Storm Sewer Master Plan - City-wide	1,100,000	5,500,000	*	Ongoing	Ongoing
Transfer to the City Hall Debt Service Fund	104,000	563,000	*	Ongoing	Ongoing
Transfer to the General Fund - Human Resources/Payroll/ Budget Systems Upgrade	2,000	2,000	16,000	N/A	N/A
Transfer to the General Fund - Interest Earnings	2,000	10,000	*	Ongoing	Ongoing
Urgent Flood Prevention and Repair Projects	600,000	2,000,000	*	Ongoing	Ongoing
<b>Total: Construction/Non-Construction</b>	<b>28,743,000</b>	<b>48,466,000</b>			
Ending Fund Balance	1,241,719	815,719 **			
<b>Total: Storm Sewer System</b>	<b>29,984,719</b>	<b>49,281,719 **</b>			
<b><u>Water Pollution Control</u></b>					
Advanced Facility Control and Meter Replacement	3,037,000	25,591,000	27,909,000	3rd Qtr. 2010	2nd Qtr. 2022
Aeration Basin Future Modifications		5,120,000	50,277,000	3rd Qtr. 2019	4th Qtr. 2030
Aeration Tanks and Blower Rehabilitation	16,215,000	116,373,000	119,299,000	1st Qtr. 2015	1st Qtr. 2024
Capital Program and Public Works Department Support Service Costs	856,000	4,359,000	*	Ongoing	Ongoing
Combined Heat and Power Equipment Repair and Rehabilitation	120,000	120,000	17,720,000	3rd Qtr. 2012	1st Qtr. 2017
Construction-Enabling Improvements	785,000	785,000	4,261,000	3rd Qtr. 2015	1st Qtr. 2017
Digested Sludge Dewatering Facility	3,192,000	95,069,000	99,022,000	2nd Qtr. 2014	1st Qtr. 2023

# Capital Program Summary by City Service Area

## Environmental and Utility Services

	2016-2017 Budget	2017-2021 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b>Water Pollution Control (Cont'd.)</b>					
Digester and Thickener Facilities Upgrade	10,641,000	23,415,000	213,158,000	3rd Qtr. 2006	4th Qtr. 2025
East Primary Rehabilitation, Seismic Retrofit, and Odor Control	274,000	35,978,000	113,209,000	3rd Qtr. 2010	2nd Qtr. 2026
Energy Generation Improvements	36,134,000	93,309,000	120,349,000	3rd Qtr. 2012	2nd Qtr. 2019
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
FOG Receiving		416,000	12,850,000	3rd Qtr. 2019	2nd Qtr. 2026
Facility Wide Water Systems Improvements	2,090,000	14,409,000	15,625,000	3rd Qtr. 2014	3rd Qtr. 2022
Filter Rehabilitation	1,589,000	34,945,000	36,698,000	3rd Qtr. 2013	4th Qtr. 2022
Final Effluent Pump Station & Stormwater Channel Improvements		6,901,000	47,358,000	3rd Qtr. 2019	3rd Qtr. 2025
Headworks Improvements	3,558,000	29,000,000	30,449,000	3rd Qtr. 2012	2nd Qtr. 2021
Iron Salt Feed Station	662,000	688,000	8,804,000	1st Qtr. 2012	3rd Qtr. 2017
Lagoons and Drying Beds Retirement	1,466,000	10,904,000	34,382,000	1st Qtr. 2016	2nd Qtr. 2028
Master Plan Updates		3,000,000	3,000,000	4th Qtr. 2017	4th Qtr. 2019
New Disinfection Facilities		7,131,000	56,977,000	2nd Qtr. 2019	4th Qtr. 2027
New Headworks	2,945,000	92,830,000	95,798,000	3rd Qtr. 2012	3rd Qtr. 2022
Nitrification Clarifier Rehabilitation	4,777,000	49,738,000	51,630,000	3rd Qtr. 2009	4th Qtr. 2022
Outfall Bridge and Levee Improvements	1,282,000	9,468,000	9,832,000	3rd Qtr. 2014	3rd Qtr. 2022
Payment for Clean Water Financing Authority Trustee	5,000	25,000	*	Ongoing	Ongoing
Plant Electrical Reliability	1,918,000	6,844,000	29,193,000	3rd Qtr. 2003	4th Qtr. 2020
Plant Infrastructure Improvements	1,368,000	5,368,000	*	Ongoing	Ongoing
Plant Instrument Air System Upgrade	3,697,000	3,796,000	4,814,000	3rd Qtr. 2014	1st Qtr. 2018
Preliminary Engineering	1,000,000	5,000,000	10,190,000	N/A	N/A
Program Management	9,108,000	16,663,000	39,186,000	N/A	N/A
Public Art	414,000	2,874,000	*	Ongoing	Ongoing
Record Drawings	250,000	13,577,000	14,264,000	3rd Qtr. 2014	2nd Qtr. 2020
SBWR Extension	3,259,000	3,259,000	*	Ongoing	Ongoing
Secondary Clarifier Rehabilitation	104,000	26,040,000	26,559,000	1st Qtr. 2017	2nd Qtr. 2024
State Revolving Fund Loan Repayment	4,464,000	10,732,000	87,272,000	3rd Qtr. 1998	2nd Qtr. 2019
Support Building Improvements	2,416,000	54,201,000	55,134,000	3rd Qtr. 2015	1st Qtr. 2022

# Capital Program Summary by City Service Area

## Environmental and Utility Services

	2016-2017 Budget	2017-2021 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b><u>Water Pollution Control (Cont'd.)</u></b>					
Transfer to Clean Water Financing Authority Debt Service 2017-2018		53,135,000	53,135,000	3rd Qtr. 2015	2nd Qtr. 2045
Transfer to the City Hall Debt Service Fund	172,000	929,000	*	Ongoing	Ongoing
Transfer to the Clean Water Financing Authority Debt Service Payment Fund	6,788,000	29,246,000	51,070,000	2nd Qtr. 1996	4th Qtr. 2020
Transfer to the General Fund - Human Resources/Payroll/ Budget Systems Upgrade	3,000	3,000	24,000	N/A	N/A
Treatment Plant Distributed Control System	779,000	3,404,000	6,919,000	1st Qtr. 2012	3rd Qtr. 2019
Tunnel Rehabilitation	11,000	9,114,000	27,702,000	3rd Qtr. 2016	3rd Qtr. 2027
Urgent and Unscheduled Treatment Plant Rehabilitation	1,500,000	7,500,000	*	Ongoing	Ongoing
Yard Piping and Road Improvements	1,069,000	42,277,000	*	Ongoing	Ongoing
<b>Total: Construction/Non-Construction</b>	<b>134,611,000</b>	<b>966,851,000</b>			
Ending Fund Balance	5,236,493	3,697,493	**		
<b>Total: Water Pollution Control</b>	<b>139,847,493</b>	<b>970,548,493</b>	**		
<b><u>Water Utility System</u></b>					
Advance System Design	200,000	1,000,000	*	Ongoing	Ongoing
Cadwallader Reservoir Rehabilitation	20,000	20,000	2,233,000	3rd Qtr. 2014	2nd Qtr. 2017
Capital Program and Public Works Department Support Service Costs	15,000	59,000	*	Ongoing	Ongoing
Edenvale Reservoir Rehabilitation	1,100,000	1,100,000	1,175,000	2nd Qtr. 2016	2nd Qtr. 2017
Elkins Way Main Replacement		1,030,000	1,030,000	3rd Qtr. 2017	3rd Qtr. 2019
Fowler Pump Station Replacement		1,565,000	2,065,000	3rd Qtr. 2019	2nd Qtr. 2022
Gumdrop Drive Main Replacement	60,000	1,140,000	1,140,000	3rd Qtr. 2016	2nd Qtr. 2019
Infrastructure Improvements	780,000	4,000,000	*	Ongoing	Ongoing
Major Facilities Fee Administration	15,000	75,000	*	Ongoing	Ongoing
Master Plan Engineering	145,000	775,000	*	Ongoing	Ongoing
Meter Installations	50,000	250,000	*	Ongoing	Ongoing
Meter Replacements	1,200,000	1,200,000	4,517,000	3rd Qtr. 2013	2nd Qtr. 2017
Network System Flow Improvements	6,000	30,000	*	Ongoing	Ongoing



# Capital Program Summary by City Service Area

## Environmental and Utility Services

	2016-2017 Budget	2017-2021 CIP Budget	Total Budget (All Years)	Start Date	End Date
<b>Water Utility System (Cont'd.)</b>					
North Coyote Valley Water System Reserve	168,000	168,000	168,000	N/A	N/A
North San José Reliability Well #6 Construction		1,450,000	1,450,000	3rd Qtr. 2018	2nd Qtr. 2021
North San José Well #5 Development and Construction	1,500,000	1,500,000	1,560,000	2nd Qtr. 2016	2nd Qtr. 2017
Orinda Drive Main Replacement		1,290,000	1,290,000	3rd Qtr. 2018	2nd Qtr. 2021
Preliminary Engineering	130,000	700,000	*	Ongoing	Ongoing
Public Art	120,000	148,000	*	Ongoing	Ongoing
Public Works GIS Support	65,000	325,000	*	Ongoing	Ongoing
Repayment of Commercial Paper	627,000	1,254,000	1,254,000	3rd Qtr. 2016	2nd Qtr. 2018
Safety and Security Improvements	100,000	300,000	1,100,000	1st Qtr. 2015	2nd Qtr. 2019
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	740,000	3,720,000	*	Ongoing	Ongoing
System Rehabilitation/Replacement Reserve	2,692,000	4,349,000	4,349,000	N/A	N/A
Transfer to the City Hall Debt Service Fund	13,000	68,000	*	Ongoing	Ongoing
Transfer to the General Fund - Human Resources/Payroll/ Budget Systems Upgrade	1,000	1,000	5,000	N/A	N/A
Water Management System Enhancements	67,000	67,000	223,000	3rd Qtr. 2012	2nd Qtr. 2017
<b>Total: Construction/Non-Construction</b>	<b>11,614,000</b>	<b>30,184,000</b>			
Ending Fund Balance	1,782,293	1,968,293 **			
<b>Total: Water Utility System</b>	<b>13,396,293</b>	<b>32,152,293 **</b>			
<b>CSA Total: Construction/Non-Construction</b>	<b>257,122,000</b>	<b>1,269,753,000 **</b>			
Ending Fund Balance	13,140,906	10,469,906 **			
<b>CSA Total:</b>	<b>270,262,906</b>	<b>1,280,222,906 **</b>			

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

\*\*The 2016-2017 through 2019-2020 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.

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