

City Service Area Environmental and Utility Services



**New Water Main Pipe
Installation at Gumdrop Drive**



Water Pollution Control Plant

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.

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

- Gumdrop Drive Main Replacement – Replaced and relocated approximately 2,050 feet of an 8-inch steel water main on Gumdrop Drive, Almond Drive, and Coconut Drive (completed in Dec. 2018)
- Cast Iron Pipe Replacement 2017-2018 Phase III – Removed and replaced aging or corroded cast iron sewer pipes at several City locations (completed in Dec. 2018)
- Sanitary Sewer Repairs 2017-2018 Package II – Rehabilitated approximately 14,000 linear feet of sanitary sewer mains that have severe structural issues at various City locations (completed in Sept. 2018)
- Horace Mann and Washington Neighborhood Green Alleyways Improvements – Replaced 22,000 square feet of pavement and dirt roadway with new asphalt and installed 1,000 linear feet of infiltration trenches for stormwater treatment at two downtown locations (completed in April 2019)
- Willow Street Sanitary Pump Station Rehabilitation – Installed upgraded mechanical, structural and electrical components, along with other improvements at the sanitary pump station located at Willow Street and Minnesota Avenue (completed in April 2019)

Program Highlights

Sanitary Sewer System Capital Program

2020-2024 Adopted CIP: \$193.5 million

Sanitary Sewer Rehabilitation Projects:

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

Sanitary Sewer Interceptor/Capacity Improvement Projects:

- Immediate Replacement and Diversion Projects
- Miscellaneous Capacity Improvements

Storm Sewer System Capital Program

2020-2024 Adopted CIP: \$125.6 million

- Measure T – Charcot Avenue Pump Station
- Measure T – Clean Water Projects
- Stockton-Cinnabar and Stockton-Taylor Storm Drains

Water Pollution Control Capital Program

2020-2024 Adopted CIP: \$1.39 billion

Preliminary Wastewater Treatment:

- Headworks Improvements
- New Headworks

Secondary Wastewater Treatment:

- Nitrification Clarifier Rehabilitation

Tertiary Wastewater Treatment

- Filter Rehabilitation

Biosolids:

- Digested Sludge Dewatering Facility

Advanced Process Control & Automation:

- Advanced Facility Control and Meter Replacement

Site Facility Maintenance and Improvements:

- Yard Piping and Road Improvements

Water Utility System Capital Program

2020-2024 Adopted CIP: \$39.1 million

- Annual Water Main Replacement
- Infrastructure Improvements
- North San José Reliability Well #6 Construction

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 | 2017-2018 Actual ¹ | 2018-2019 Target | 2018-2019 Estimate | 2019-2020 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 ² | 83% (25/30) | 85% | 67% (18/27) | 85% | 85% |
| | 2. % of CIP projects that are completed within the approved baseline budget ³ | 100% (33/33) | 90% | 92% (33/36) | 90% | 90% |

¹ The 2017-2018 Actual number of projects may vary from the 2017-2018 Adopted Budget Estimate as documented in the 2018-2019 Adopted Budget as a result of the date of the estimated beneficial use of the project being revised and the projects expected to be delivered in the following fiscal year. Also, the number of projects may change with the inclusion of projects in the 2017-2018 Actual not originally included in the 2017-2018 Adopted Budget Estimate due to incomplete project information at that time.

² 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.

³ 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 2018-2019, the Environmental and Utility Services CSA delivered 18 of 27 (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 baseline schedule. Some of the notable capital projects delivered in 2018-2019 include sanitary sewer improvements (Horace Mann and Washington Neighborhood Green Alleyways, Trimble Road and Amberwood Lane), sanitary sewer condition assessments at various locations, and the Willow Street Sanitary Pump Station Rehabilitation.

In 2018-2019, 33 of 36 (92%) 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 2018-2019 include the Horace Mann and Washington Neighborhood Green Alleyways, the Downer Canoas Injection Station Tank Replacement, the Willow Street Sanitary Pump Station Rehabilitation, and Headworks Critical Improvements at the San José-Santa Clara Regional Wastewater Facility. 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

| | <u>2019-2020 Budget</u> | <u>2020-2024 CIP Budget</u> | <u>Total Budget (All Years)</u> | <u>Start Date</u> | <u>End Date</u> |
|--|-----------------------------|---------------------------------|---|-------------------|-----------------|
| <u>Sanitary Sewer System</u> | | | | | |
| 60 inch Brick Interceptor, Phase VIA and VIB | 1,600,000 | 2,000,000 | 44,719,270 | 3rd Qtr. 2009 | 2nd Qtr. 2021 |
| Almaden Supplement Sewer Rehabilitation (North) | | 3,130,000 | 3,130,000 | 3rd Qtr. 2020 | 2nd Qtr. 2022 |
| Bollinger Road - Moorpark Avenue - Williams Road Sanitary Sewer Improv | 1,506,000 | 1,506,000 | 8,417,000 | 3rd Qtr. 2012 | 2nd Qtr. 2020 |
| Capital Program and Public Works Department Support Service Costs | 1,899,000 | 9,308,000 | * | Ongoing | Ongoing |
| Cast Iron Pipe - Remove and Replace | 5,000,000 | 25,000,000 | * | Ongoing | Ongoing |
| City Hall Debt Service Fund | 336,000 | 1,700,000 | * | Ongoing | Ongoing |
| Condition Assessment Sewer Repairs | 6,000,000 | 30,000,000 | * | Ongoing | Ongoing |
| Fee Administration - Sanitary Sewer | 85,000 | 425,000 | * | Ongoing | Ongoing |
| Flow Monitoring Program (Master Planning) | 900,000 | 4,500,000 | * | Ongoing | Ongoing |
| Fourth Major Interceptor, Phase VIIA | | 5,500,000 | 5,500,000 | 3rd Qtr. 2021 | 2nd Qtr. 2023 |
| Immediate Replacement and Diversion Projects | 7,300,000 | 29,750,000 | * | Ongoing | Ongoing |
| Inflow and Infiltration Reduction | 200,000 | 1,000,000 | * | Ongoing | Ongoing |
| Infrastructure - Sanitary Sewer Condition Assessment | 3,000,000 | 15,000,000 | * | Ongoing | Ongoing |
| Infrastructure Management System | 49,000 | 271,000 | * | Ongoing | Ongoing |
| Master Planning Updates | 2,000,000 | 8,900,000 | * | Ongoing | Ongoing |
| McKee Avenue Sanitary Sewer Improvement | | 1,500,000 | 1,500,000 | 3rd Qtr. 2022 | 2nd Qtr. 2023 |
| Miscellaneous Capacity Improvements | 1,500,000 | 1,500,000 | 1,500,000 | 3rd Qtr. 2019 | 2nd Qtr. 2020 |
| Montague Sanitary Sewer Pump Station Reserve | 2,400,000 | 2,400,000 | 2,400,000 | N/A | N/A |
| Payments to West Valley Sanitation District | 10,000 | 50,000 | * | Ongoing | Ongoing |
| Permit Review and Inspection for Outside Agencies - Sanitary Sewer | 25,000 | 125,000 | * | Ongoing | Ongoing |
| Preliminary Engineering - Sanitary Sewer | 950,000 | 4,750,000 | * | Ongoing | Ongoing |
| Program Management - Sanitary Sewer | 300,000 | 1,500,000 | * | Ongoing | Ongoing |
| Public Art Allocation | 48,000 | 522,000 | * | Ongoing | Ongoing |
| Public Works Engineering Services Equipment (Materials Lab) | 40,000 | 200,000 | * | Ongoing | Ongoing |
| Rehabilitation of Sanitary Sewer Pump Stations | 1,220,000 | 1,240,000 | 2,696,993 | Ongoing | Ongoing |
| Reinforced Concrete Pipe Rehabilitation Program | 500,000 | 2,500,000 | * | Ongoing | Ongoing |
| Rincon Avenue - Virginia Avenue Sanitary Sewer Improvements | 300,000 | 300,000 | 5,176,000 | 3rd Qtr. 2017 | 4th Qtr. 2019 |
| Sierra Road Sanitary Sewer Improvement | | 1,200,000 | 1,200,000 | 3rd Qtr. 2020 | 2nd Qtr. 2021 |
| Technology Drive Sanitary Sewer Improvement | | 2,500,000 | 2,500,000 | 3rd Qtr. 2021 | 2nd Qtr. 2022 |

Capital Program Summary by City Service Area

Environmental and Utility Services

| | <u>2019-2020 Budget</u> | <u>2020-2024 CIP Budget</u> | <u>Total Budget (All Years)</u> | <u>Start Date</u> | <u>End Date</u> |
|--|-----------------------------|---------------------------------|---|-------------------|-----------------|
| Trimble Road and Capewood Lane Sanitary Sewer Improvements | 50,000 | 50,000 | 1,577,855 | 2nd Qtr. 2014 | 3rd Qtr. 2019 |
| Urgent Rehabilitation and Repair Projects | 7,000,000 | 33,000,000 | * | Ongoing | Ongoing |
| Westmont Avenue and Harriet Avenue Sanitary Sewer Improvements | 516,000 | 516,000 | 5,461,000 | 3rd Qtr. 2017 | 2nd Qtr. 2020 |
| Total: Construction/Non-Construction | 44,734,000 | 191,843,000 | | | |
| Ending Fund Balance | 8,667,205 | 1,694,205 | | | ** |
| Total: Sanitary Sewer System | 53,401,205 | 193,537,205 | | | ** |

Storm Sewer System

| | | | | | |
|--|-----------|------------|------------|---------------|---------------|
| 2017 Flood - Bailey Ave Storm Drain Inlet Repair | 550,000 | 550,000 | 573,000 | 3rd Qtr. 2017 | 2nd Qtr. 2020 |
| Alviso Storm Pump Station | 1,400,000 | 1,400,000 | 14,478,832 | 3rd Qtr. 2013 | 3rd Qtr. 2019 |
| Capital Program and Public Works Department Support Service Costs | 807,000 | 3,980,000 | * | Ongoing | Ongoing |
| Charcot Storm Pump Rental | 300,000 | 1,500,000 | * | Ongoing | Ongoing |
| City Hall Debt Service Fund | 216,000 | 1,092,000 | * | Ongoing | Ongoing |
| Citywide Outfall Improvements | 2,850,000 | 5,890,000 | * | Ongoing | Ongoing |
| Condition Assessment Storm Sewer Repairs | 750,000 | 1,350,000 | * | Ongoing | Ongoing |
| Fee Administration - Storm Sewer | 25,000 | 125,000 | * | Ongoing | Ongoing |
| Flow Monitoring Program | 370,000 | 1,930,000 | * | Ongoing | Ongoing |
| General Fund - Interest Income | 11,000 | 55,000 | * | Ongoing | Ongoing |
| Green Infrastructure Improvements | 900,000 | 2,700,000 | * | Ongoing | Ongoing |
| Infrastructure Management System | 10,000 | 60,000 | * | Ongoing | Ongoing |
| Large Trash Capture Devices | 1,885,000 | 1,885,000 | 8,319,775 | 3rd Qtr. 2014 | 4th Qtr. 2019 |
| Measure T - Charcot Avenue Pump Station | 1,600,000 | 35,000,000 | 35,000,000 | 3rd Qtr. 2019 | 2nd Qtr. 2024 |
| Measure T - Clean Water Projects | 1,300,000 | 25,000,000 | 25,000,000 | 3rd Qtr. 2019 | 2nd Qtr. 2024 |
| Permit Review and Inspection for Outside Agencies - Storm Sewer | 50,000 | 250,000 | * | Ongoing | Ongoing |
| Preliminary Engineering - Storm Sewer | 180,000 | 900,000 | * | Ongoing | Ongoing |
| Program Management - Storm Sewer | 150,000 | 750,000 | * | Ongoing | Ongoing |
| Public Art Allocation | 34,000 | 92,000 | * | Ongoing | Ongoing |
| San Jose Watershed Invasive Species Removal and Engagement | 400,000 | 1,200,000 | * | Ongoing | Ongoing |
| Stockton-Cinnabar and Stockton-Taylor Storm Drain System Improvement | 500,000 | 15,000,000 | 15,000,000 | 3rd Qtr. 2019 | 2nd Qtr. 2024 |
| Storm Pump Station Rehabilitation and Replacement | 1,500,000 | 7,500,000 | * | Ongoing | Ongoing |

Capital Program Summary by City Service Area

Environmental and Utility Services

| | 2019-2020 Budget | 2020-2024 CIP Budget | Total Budget (All Years) | Start Date | End Date |
|---|---------------------|-------------------------|--------------------------------|------------|----------|
| Storm Sewer Improvements | 800,000 | 2,800,000 | * | Ongoing | Ongoing |
| Storm Sewer Master Plan - City-wide | 1,370,000 | 6,590,000 | * | Ongoing | Ongoing |
| Urgent Storm Drain Repair Projects | 250,000 | 1,250,000 | * | Ongoing | Ongoing |
| Total: Construction/Non-Construction | 18,208,000 | 118,849,000 | | | |
| Ending Fund Balance | 21,096,848 | 6,763,848 | ** | | |
| Total: Storm Sewer System | 39,304,848 | 125,612,848 | ** | | |

Water Pollution Control

| | | | | | |
|---|-------------|-------------|-------------|---------------|---------------|
| Additional Digester Upgrades | | 10,520,000 | 64,475,000 | 3rd Qtr. 2021 | 2nd Qtr. 2028 |
| Advanced Facility Control and Meter Replacement | 15,297,000 | 17,017,000 | 30,794,783 | 3rd Qtr. 2010 | 2nd Qtr. 2023 |
| Aeration Tanks and Blower Rehabilitation | 10,888,000 | 75,362,000 | 123,746,341 | 2nd Qtr. 2015 | 2nd Qtr. 2028 |
| Capital Program and Public Works Department Support Service Costs | 724,000 | 1,982,000 | * | Ongoing | Ongoing |
| City Hall Debt Service Fund | 89,000 | 453,000 | * | Ongoing | Ongoing |
| Clean Water Financing Authority Debt Service Payment Fund | 5,527,000 | 11,053,000 | * | Ongoing | Ongoing |
| Debt Service Repayment for Plant Capital Improvement Projects | 3,625,000 | 391,130,000 | * | Ongoing | Ongoing |
| Digested Sludge Dewatering Facility | 12,519,000 | 121,426,000 | 124,220,155 | 3rd Qtr. 2014 | 2nd Qtr. 2023 |
| Digester and Thickener Facilities Upgrade | 6,931,000 | 8,806,000 | 110,957,332 | 3rd Qtr. 2006 | 2nd Qtr. 2021 |
| East Primary Rehabilitation, Seismic Retrofit, and Odor Control | 1,000,000 | 107,785,000 | 112,888,212 | 3rd Qtr. 2010 | 3rd Qtr. 2028 |
| Energy Generation Improvements | 3,627,000 | 4,364,000 | 92,032,878 | 1st Qtr. 2012 | 2nd Qtr. 2021 |
| 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 | 3,561,000 | 14,500,000 | 15,824,244 | 3rd Qtr. 2014 | 2nd Qtr. 2024 |
| Filter Rehabilitation | 36,065,000 | 39,755,000 | 43,108,106 | 3rd Qtr. 2014 | 2nd Qtr. 2023 |
| Final Effluent Pump Station & Stormwater Channel Improvements | 902,000 | 47,164,000 | 47,358,000 | 3rd Qtr. 2019 | 3rd Qtr. 2025 |
| Flood Protection | 1,489,000 | 10,004,000 | 11,460,732 | 3rd Qtr. 2017 | 2nd Qtr. 2023 |
| Headworks Improvements | 15,839,000 | 16,475,000 | 18,109,961 | 1st Qtr. 2013 | 2nd Qtr. 2023 |
| Hydraulic Capacity Engineering | 25,000 | 125,000 | * | Ongoing | Ongoing |
| Hydraulic Capacity Enhancements Reserve | 3,666,000 | 3,666,000 | * | Ongoing | Ongoing |
| Master Plan Updates | 1,500,000 | 1,500,000 | 3,000,000 | 3rd Qtr. 2018 | 2nd Qtr. 2021 |
| New Headworks | 130,985,000 | 134,437,000 | 142,222,103 | 3rd Qtr. 2012 | 2nd Qtr. 2023 |

Capital Program Summary by City Service Area

Environmental and Utility Services

V - 33

| | <u>2019-2020 Budget</u> | <u>2020-2024 CIP Budget</u> | <u>Total Budget (All Years)</u> | <u>Start Date</u> | <u>End Date</u> |
|---|-----------------------------|---------------------------------|---|-------------------|-----------------|
| Nitrification Clarifier Rehabilitation | 54,316,000 | 92,440,000 | 96,936,975 | 3rd Qtr. 2009 | 4th Qtr. 2025 |
| Outfall Bridge and Levee Improvements | 6,299,000 | 7,022,000 | 8,029,037 | 3rd Qtr. 2014 | 2nd Qtr. 2021 |
| Owner Controlled Insurance Program | 6,424,000 | 16,497,000 | 17,844,000 | 2nd Qtr. 2017 | 2nd Qtr. 2023 |
| Payment for Clean Water Financing Authority Trustee | 5,000 | 15,000 | * | Ongoing | Ongoing |
| Plant Electrical Reliability | 7,617,000 | 8,504,000 | 9,373,304 | 3rd Qtr. 2003 | 2nd Qtr. 2022 |
| Plant Infrastructure Improvements | 1,770,000 | 5,770,000 | * | Ongoing | Ongoing |
| Preliminary Engineering - Water Pollution Control | 1,000,000 | 5,000,000 | * | Ongoing | Ongoing |
| Program Management - Water Pollution Control | 10,628,000 | 51,298,000 | * | Ongoing | Ongoing |
| Public Art Allocation | 20,000 | 20,000 | * | Ongoing | Ongoing |
| Secondary Clarifier Rehabilitation | | 2,833,000 | 26,455,000 | 3rd Qtr. 2023 | 4th Qtr. 2028 |
| Storm Drain System Improvements | 1,377,000 | 13,952,000 | 14,984,317 | 4th Qtr. 2017 | 2nd Qtr. 2023 |
| Support Building Improvements | 14,552,000 | 17,746,000 | 55,470,408 | 2nd Qtr. 2015 | 1st Qtr. 2028 |
| Treatment Plant Distributed Control System | 5,459,000 | 5,459,000 | 7,653,600 | 1st Qtr. 2012 | 2nd Qtr. 2020 |
| Urgent and Unscheduled Treatment Plant Rehabilitation | 500,000 | 2,500,000 | * | Ongoing | Ongoing |
| Various Infrastructure Decommissioning | 469,000 | 22,220,000 | 22,220,000 | 3rd Qtr. 2019 | 1st Qtr. 2025 |
| Yard Piping and Road Improvements | <u>20,724,000</u> | <u>98,315,000</u> | 119,234,369 | 3rd Qtr. 2011 | 2nd Qtr. 2028 |
| Total: Construction/Non-Construction | 392,082,000 | 1,380,430,000 | | | |
| Ending Fund Balance | <u>7,184,755</u> | <u>11,264,755</u> | ** | | |
| Total: Water Pollution Control | 399,266,755 | 1,391,694,755 | ** | | |

Water Utility System

| | | | | | |
|---|-----------|------------|-----------|---------------|---------------|
| Advance System Design | 200,000 | 1,000,000 | * | Ongoing | Ongoing |
| Annual Water Main Replacement | 3,200,000 | 10,600,000 | * | Ongoing | Ongoing |
| Backup Generator Replacement | 200,000 | 200,000 | * | Ongoing | Ongoing |
| Capital Program and Public Works Department Support Service Costs | 22,000 | 99,000 | * | Ongoing | Ongoing |
| City Hall Debt Service Fund | 6,000 | 30,000 | * | Ongoing | Ongoing |
| Facility Sites Improvement | 280,000 | 280,000 | * | Ongoing | Ongoing |
| Fowler Pump Station Replacement | 2,633,000 | 2,633,000 | 2,795,000 | 3rd Qtr. 2017 | 2nd Qtr. 2020 |
| GIS Support | 65,000 | 325,000 | * | Ongoing | Ongoing |
| Infrastructure Improvements | 810,000 | 4,150,000 | * | Ongoing | Ongoing |

Capital Program Summary by City Service Area

Environmental and Utility Services

V - 34

| | <u>2019-2020 Budget</u> | <u>2020-2024 CIP Budget</u> | <u>Total Budget (All Years)</u> | <u>Start Date</u> | <u>End Date</u> |
|---|-----------------------------|---------------------------------|---|-------------------|-----------------|
| Major Facilities Fee Administration | 15,000 | 75,000 | * | Ongoing | Ongoing |
| Master Plan Engineering | 160,000 | 850,000 | * | Ongoing | Ongoing |
| Meter Installations | 50,000 | 250,000 | * | Ongoing | Ongoing |
| Network System Flow Improvements | 6,000 | 30,000 | * | Ongoing | Ongoing |
| North Coyote Valley Water System Reserve | 168,000 | 168,000 | 168,000 | N/A | N/A |
| North San José Reliability Well #6 Construction | 360,000 | 1,460,000 | 1,460,000 | 3rd Qtr. 2019 | 2nd Qtr. 2022 |
| North San José Well #5 Development and Construction | 1,560,000 | 1,560,000 | 1,560,000 | 3rd Qtr. 2019 | 2nd Qtr. 2020 |
| Preliminary Engineering - Water | 145,000 | 775,000 | * | Ongoing | Ongoing |
| Public Art Funding | 16,000 | 24,000 | * | Ongoing | Ongoing |
| Safety and Security Improvements | 100,000 | 500,000 | * | 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 | 740,000 | 3,820,000 | * | Ongoing | Ongoing |
| System Rehabilitation/Replacement Reserve | 3,100,000 | 4,338,000 | 4,338,000 | N/A | N/A |
| Tuers Road Site Improvements | <u>170,000</u> | <u>170,000</u> | 510,000 | 3rd Qtr. 2018 | 2nd Qtr. 2020 |
| Total: Construction/Non-Construction | 15,806,000 | 35,937,000 | 12,431,000 | 257,687 | 269,715 |
| Ending Fund Balance | <u>2,852,168</u> | <u>3,202,168</u> | ** | | |
| Total: Water Utility System | 18,658,168 | 39,139,168 | ** | | |
| | | | | | |
| CSA Total: Construction/Non-Construction | 470,830,000 | 1,727,059,000 | ** | | |
| Ending Fund Balance | <u>39,800,976</u> | <u>22,924,976</u> | ** | | |
| CSA Total: | <u><u>510,630,976</u></u> | <u><u>1,749,983,976</u></u> | ** | | |

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

** The 2019-2020 through 2022-2023 Ending Balance are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of the same funds.