

CITY SERVICE AREA

ENVIRONMENTAL AND UTILITY SERVICES

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



*Sanitary Sewer Repairs Project
(CIPP Liner Installation)*

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 and rehabilitate storm drain infrastructures (piping, pump stations, outfalls), install and integrate green stormwater infrastructures, and install trash capture devices to reduce the risk of local flooding during storm events and improve storm water quality for regulatory compliance. The program addresses the drainage needs in residential neighborhoods, business districts, and walking routes to schools and public facilities.



Water Pollution Control Plan

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 \$1.4 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
- Water Utility System

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PROGRAM HIGHLIGHTS

Sanitary Sewer System Capital Program

2025-2029 Proposed CIP: \$277.4 million

Sanitary Sewer Rehabilitation Projects:

- Condition Assessment Sewer Repair
- Urgent Rehabilitation and Repair Projects
- Sanitary Sewer Interceptor Management Program

Sanitary Sewer Interceptor/Capacity Improvement Projects:

- Fourth Major Interceptor Phase VII
- Immediate Replacement and Diversion Projects
- Chesbro Avenue Sanitary Sewer Improvements
- Southwest Expressway Sanitary Sewer Improvements
- Blossom Hill Road and Leigh Avenue Sanitary Sewer

Storm Sewer System Capital Program

2025-2029 Proposed CIP: \$91.1 million

- Citywide Outfall Improvements
- Large Trash Capture Devices Phase VIII
- Small Trash Capture Devices
- Measure T – Storm Drain Improvements at Charcot Avenue
- Measure T – Clean Water Projects

Water Pollution Control Capital Program

2025-2029 Proposed CIP: \$903.7 million

Wastewater Treatment:

- Aeration Tanks and Blower Rehabilitation
- Primary Rehabilitation
- Nitrification Clarifier Rehabilitation
- Secondary Clarifier Rehabilitation

Biosolids:

- Additional Digester Upgrades

Site Facility Maintenance & Improvements:

- Yard Piping Improvements

Water Utility System Capital Program

2025-2029 Proposed CIP: \$126.0 million

- Advanced Metering Infrastructure Implementation
- Annual Water Main Replacement
- Water Resources Administration and Operations Facility
- Infrastructure Improvements

Recent Accomplishments

- ◇ Various Sanitary Sewer projects replaced aging pipeline including Mabury Yard Sanitary Sewer Replacement; and completion of design for sanitary sewer improvements at McLaughlin Ave-Ideewood Dr, Coleman Rd Phase III, and Blossom Hill Rd and Leigh Ave.
- ◇ Various Storm infrastructure projects completed, including three Large Trash Capture devices; beginning of construction for the River Oaks Regional Stormwater Capture Project; and awarding the Charcot Area Storm Drain Improvements capacity project.
- ◇ Various Water Utility main replacements and system improvements were completed to ensure continued reliability of the drinking water supply; construction began on a groundwater well in North San José, and the Water Resources Administration and Operations Facility.
- ◇ The Water Pollution CIP completed construction of the \$172 million Headworks project and began construction on the \$91 million Facility-wide Water Systems Improvement project.

CSA OUTCOMES

(Supported by the Capital Program)

- ✓ Reliable Utility Infrastructure
- ✓ Healthy Streams, Rivers, Marsh and Bay
- ✓ Safe, Reliable and Sufficient Water Supply