

SSIP FY20/21

# Annual Report



San Francisco  
Water  
Power  
Sewer

Services of the San Francisco  
Public Utilities Commission

**SEWER  
SYSTEM**

IMPROVEMENT PROGRAM  
Grey. Green. Clean.

Respond.  
Recover.  
Reimagine.



# What's Inside

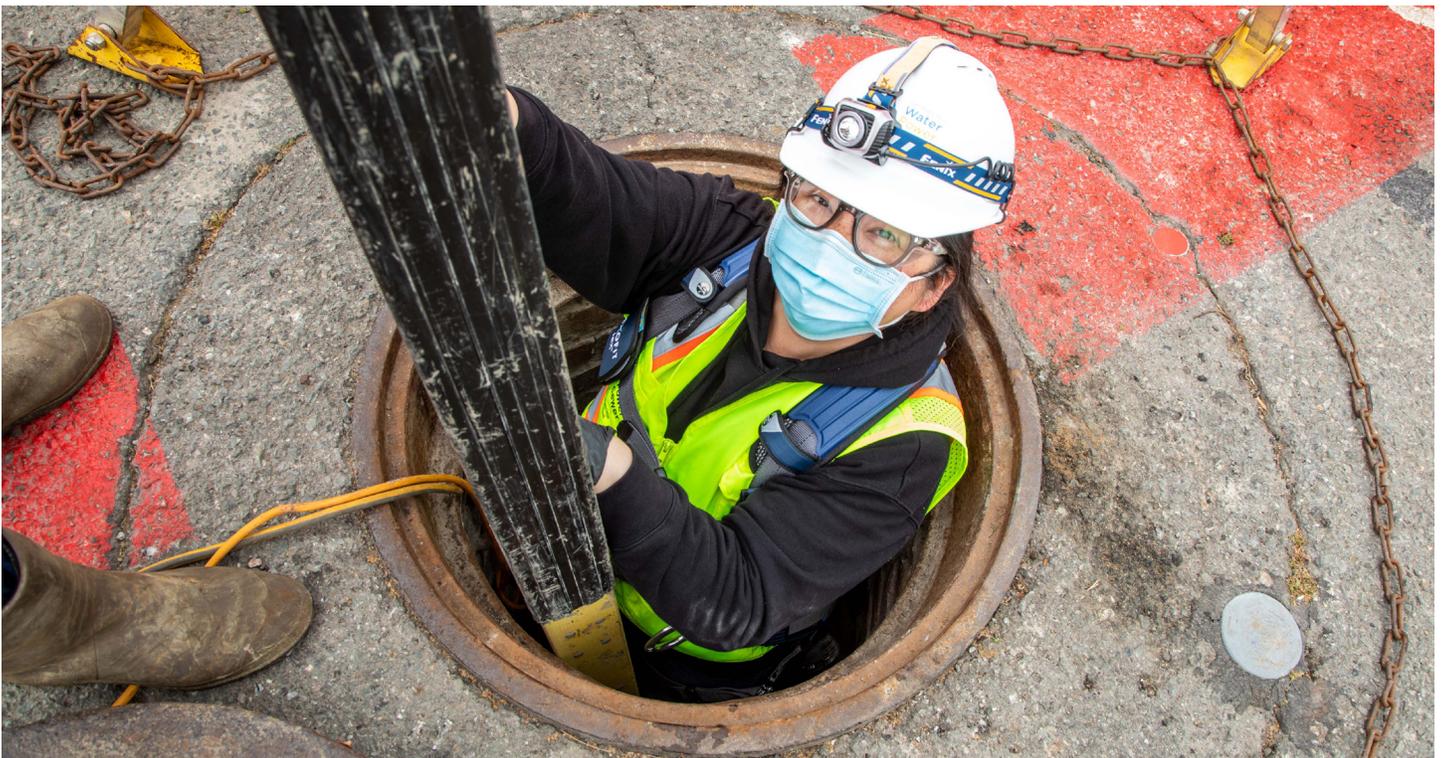
Welcome to the San Francisco Public Utilities Commission's Sewer System Improvement Program's FY20-21 Annual Report.

The purpose of this report is to provide a recap of the Program's projects and accomplishments, identify resources for obtaining more information, and preview next year's activities. You will also learn about our community benefits activities and workforce development achievements. This edition covers July 2020 – June 2021.

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*Photography by Robin Scheswohl & Sabrina Wong, SFPUC Staff Photographers*

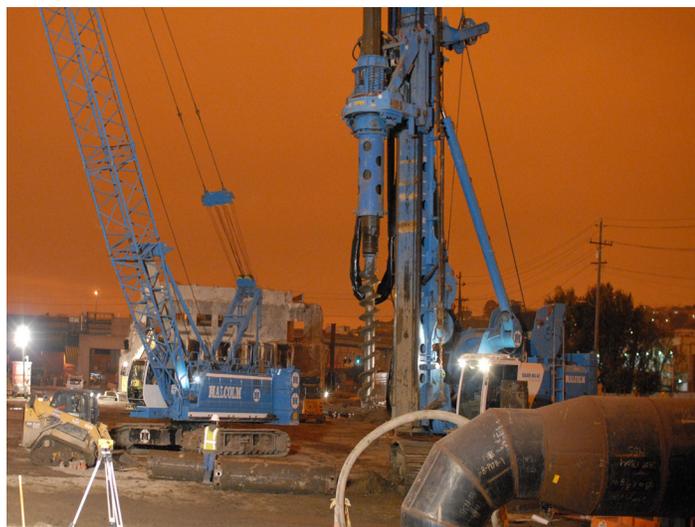


*The Pierce Street Outfall / Combined Sewer Discharge (CSD): Sabrina Wong (SFPUC Photographer) exiting the Pierce Outfall Tunnel.*

# The SSIP is Adapting to Address Tomorrow's Challenges

The [Sewer System Improvement Program \(SSIP\)](#) is a major component of the City of San Francisco's comprehensive approach to addressing the issues of: Aging Infrastructure, Seismic Vulnerability, Climate Change and Stormwater Management, Water Quality, and Responsible Resource Recovery by incorporating new technologies to improve our communities and quality of life. We are now several years into the multi-billion-dollar, citywide Program, investing in a modern, reliable, resilient and sustainable system to protect public health and our environment for now and generations to come.

2020-2021 was a period of responding, recovering, and re-imagining our work, weathering challenges related to COVID-19, systemic and racial injustice, and unprecedented Bay Area Wildfires. Shifting into a "new normal," and underscored by the senseless murder of George Floyd, we saw the adoption of [SFPUC Commission Resolution No. 20-0149](#), condemning systemic racism and promoting racial justice, and the introduction [SFPUCs Racial Equity Action Plan \(REAP\)](#), and the many committees organized throughout



*New Headworks Facility Project during the Complex Wildfires (August 2020) - Image courtesy of Jignesh Desai.*

the City and County of San Francisco. Amid the global pandemic and massive August Complex wildfires, health and safety protocols were adjusted to ensure the protection of our colleagues as we continued to address the City's critical sewer system improvement needs. Now as we recover and reimagine our future, we continue to adapt to new challenges, including emerging supply chain issues, rising materials cost, and evolving safety protocols. Through these challenging times, our projects have offered job training and contracting opportunities to the local community, kept people working and made steady progress improving our system.

This fiscal year saw the completion of many essential projects: Baker Beach Green Streets, rehabilitation of the Southeast Treatment Plant's Effluent Control Structure, the Griffith Pump Station Improvements Project, the completion of all new sewer installations for the Van Ness Corridor Improvement Project, completed sewer work for L-Taraval Improvement Project Segment A, and reached construction completion of grant funded green infrastructure Learning Laboratories at Lafayette Elementary School and Bessie Carmichael Middle School. Major construction continued at the Southeast Treatment Plant, with construction advancing passed beyond site preparation to the early stages of excavation for the future SEP Biosolids Digester Facilities Project, while major progress was made on the SEP New Headworks Facility Project with completion of the Bruce Flynn Pump Station upgrades.

This 2020-2021 annual report provides a review of our efforts and recent accomplishments, and a look ahead to the year to come as we continue to invest in our critical facilities, the people who build and run them, and the communities in which they're located.

# Programmatic Overview

The [Sewer System Improvement Program \(SSIP\)](#) is charged with implementing efficient, high quality, and reliable wastewater projects that directly support our quality of life.

We operate our wastewater system 24 hours a day, 7 days a week, 365 days a year, in a manner that is inclusive of environmental and community interests, and that sustains the resources entrusted to our care. The Wastewater Enterprise operates and maintains

more than 1,000 miles of sewers, 25,000 storm drains, and three treatment facilities, the oldest and largest all-weather facility which was built in 1952—the Southeast Treatment Plant.

The SSIP supplements our Renewal and Replacement Program by making significant capital investments to upgrade and modernize our aging system to ensure a resilient, reliable, and sustainable system now and for generations to come.



*Southeast Wastewater Treatment Plant: Biosolids Digester Facilities Project: Clamshell Grab Machinery, used for slurry wall excavation.*

# San Francisco's Challenges and SSIP Levels of Service (LOS)

## Committed to a Measurable, Results-Driven Approach

The SSIP uses specific, measurable criteria and factors, known as Levels of Service (LOS), to prioritize projects and evaluate Program success as we address current and future challenges. The LOS goals ensure that the projects not only meet our technical needs but work to balance social, environmental, and financial factors, while managing program and project-level risk.

## Levels of Service (LOS) Guide our Work:



**Provide a Reliable and Resilient System that can Respond to Catastrophic Events.** Ensuring treatment of flows within 72 hours of a major earthquake.



**Integrate Green and Grey Infrastructure to Manage Stormwater and Minimize Flooding.** Reducing stormwater impacts on neighborhoods and the sewer system.



**Provide Benefits to Impacted Communities.** Alleviating odors and other impacts while providing both economic and job opportunities.



**Modify the System to Adapt to Climate Change.** Building facilities with climate change design criteria to respond more effectively to the rising sea level and other impacts.



**Achieve Economic and Environmental Sustainability.** Reusing and conserving the by-products of our wastewater and stormwater treatment systems.



**Maintain Ratepayer Affordability.** Keeping customer bills less than 2.5% of an average household income for a single-family residence.



*Baker Beach Green Streets: Rain gardens during wet weather on El Camino Del Mar.*



*Pumpkins grown in the Southeast Wastewater Treatment Plant demonstration garden.*

# Performance Metrics

The scope, schedules, and budgets of SSIP's baseline were revised in December 2020. Entering this fiscal year, SSIP management incorporated the SSIP rebaseline evaluation with the rolling update to the two-year budget and the 10-year Capital Improvement Program (CIP). This process will continue to review and refine scope needs and establish more accurate schedule and budget forecasts. We are making significant progress across the active SSIP projects, including the first phase of 70 projects launched at the start of the Program and additional projects initiated over the last several years. We have developed a long-term adaptive planning process to regularly evaluate and prioritize future projects as part of the rolling two-year budget and 10-year capital planning cycles. Below are metrics that demonstrate progress across the Program. More detailed information can be found in our [Quarterly Reports](#).

## Project Count for SSIP

Planning **\$30m** (3 Projects)

Design **\$152m** (4 Projects)

Bid & Award **\$47m** (1 Projects)

Construction **\$2,946m** (18 Projects)

Close-Out **\$114m** (7 Projects)

Completed **\$367m** (37 Projects)

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TOTAL **\$3,656m** (70 Projects)

## Total Budget Spent

Budget: **\$2.261B**

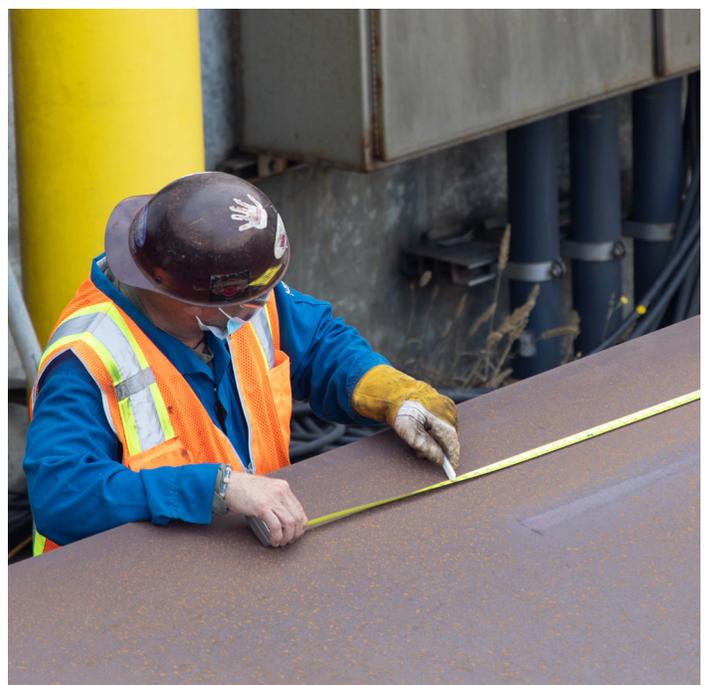
Spent: **\$1.086B**

**SSIP Phase 1 Completion 45.7%**

*All data is through June 2021*



*Southeast Wastewater Treatment Plant, Headworks Facility Project: Shane Rutledge, Consultant Lead Construction Inspector. Southeast Plant-011 verifying terminations of power in Dry well.*



*Oceanside Treatment Plant (OSP) Digester Gas Utilization Upgrade: Fabricating gas holder tank (Building 741) by placing and welding steel plates. Tank will be 59' tall and hold excess digester gas.*

# Investing in our Communities while Building our Projects

By exceeding the City's local hiring requirements with our infrastructure investments, the SFPUC is contributing to San Francisco's ongoing economic vitality by strengthening its neighborhoods, businesses, and workforce through:

**JOBS:** Our projects are covered by the San Francisco Local Hiring Policy for Construction and have a local (San Francisco resident) worker participation requirement of 30%. For apprenticeships, or entry-level workers, the requirement is 50%. The following numbers are estimates based on Certified Payroll Records submitted by contractors.

**LOCAL HOURS:** San Francisco residents have worked more than 279,000 of the total 510,000 craft hours on SSIP projects. This equates to 33% of the total hours, exceeding the Local Hire requirements of 20-30% depending on the contract advertisement date. San Francisco apprentices have worked nearly 50,000 hours, which accounts for 63% of all apprentice hours worked on SSIP and exceeds the 50% local apprentice requirement.

**CONTRACTS:** The City also has a mandate for local community contractors to participate. Although the goals vary per contract, the SFPUC is committed to maximizing local participation on every project. On SSIP projects, LBE prime and sub-contractors have been awarded more than \$223 million, which is more than one out of every four dollars awarded on SSIP projects.

*\* The Office of Economic and Workforce Development (OEWD) makes the final determination on each individual project's Local Hire compliance requirements. These numbers do not reflect any adjustments or other factors OEWD may require*

## Percentage of hours worked

(required vs. actual)

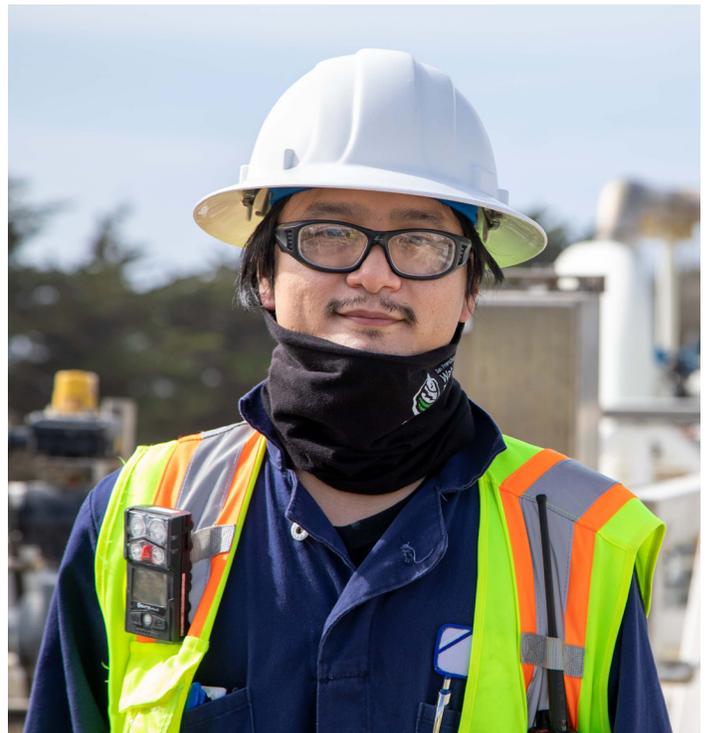
### All San Francisco Residents

Goal **30%** Actual **34.9%**

### San Francisco Apprentices

Goal **50%** Actual **62.5%**

*All data is through June 2021*



*Oceanside Treatment Plant (OSP): Richard Thi, Apprentice Stationary Engineer, atop the digesters.*

# Projects

## COLLECTION SYSTEM PROJECTS

- Large Sewers, Tunnels, and Odor Control
- Pump Stations and Force Main Improvements
- Flood Resilience Projects
- Combined Sewer Discharge Structures and Transport/Storage Boxes

## GREEN INFRASTRUCTURE & EARLY IMPLEMENTATION PROJECTS

- 1 Baker Beach Green Streets
- 2 Sunset Boulevard Greenway
- 3 Holloway Green Street
- 4 Visitacion Valley Green Nodes
- 5 Mission and Valencia Streets Green Gateway
- 6 Upper Yosemite Creek Daylighting
- 7 Wiggle Neighborhood Green Corridor
- 8 Chinatown Living Alley

## INTERDEPARTMENTAL PROJECTS

- A Van Ness Improvement Project
- B Geary Rapid Project
- C Central Subway Improvements
- D Masonic Avenue Streetscape Project
- E Better Market Street Project
- F Mission Bay Loop
- G L Taraval Improvement Project

## LEGEND

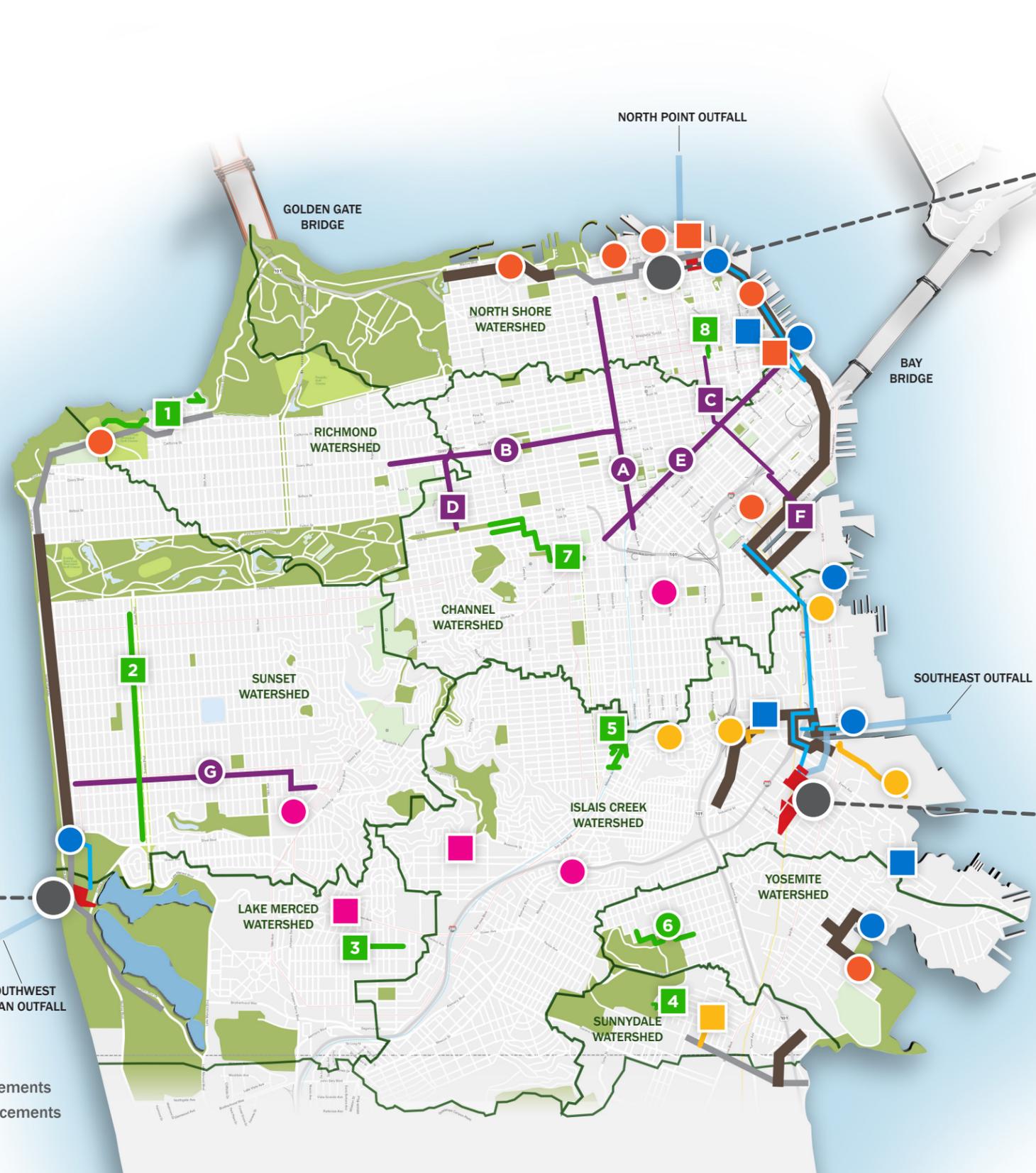
- Treatment Facilities
- Deep Water Outfalls
- Transport/Storage Structures
- Tunnels
- Force Mains
- Interceptors & Tunnels
- Green Infrastructure
- Watershed Boundary
- Squares indicate Completed Projects as of June 2021

### OCEANSIDE TREATMENT PLANT



- Structural and seismic improvements
- Westside Pump Station reliability improvements
- Odor control and energy efficiency enhancements

Map and project areas not to scale



### NORTH POINT WET-WEATHER FACILITY



- Upgrade operational reliability and efficiency
- Refurbish outfall structure
- Structural and seismic upgrades

### SOUTHEAST TREATMENT PLANT



- Build new biosolids digesters facilities
- Replace headworks facility
- Improvements for odor control
- Enhance visual aspects
- Structural, seismic improvements, and treatment process

# Treatment

Our SSIP treatment plant projects are bringing our facilities up to seismic standards, improving efficiency, enhancing reliability, and preparing our system against the growing severity of climate change and sea level rise. These efforts are essential to maintaining our quality of life and strengthening our communities and economy.

## Southeast Treatment Plant

We are investing over \$3 billion in critical upgrades into San Francisco's largest treatment plant to deliver a sustainable, resilient, and attractive modern resource recovery center. Our vision is to transform the facility into a source of pride for our staff, our ratepayers, our neighbors and all who live, work, and visit San Francisco.

## New Headworks Facility Project

This past year, the most complex project in the entire Program, the [New Headworks Facility Project](#), completed upgrading the Bruce Flynn pump station from wet weather to an all weather facility and the majority of demolition and removal of the old Headworks facility.



*Crews of the Biosolids Digester Facilities Project at the Southeast Treatment Plant install tiebacks along the retaining wall for the new Digester Facilities to anchor and reinforce the structure.*



*Rendering of new southeast treatment facilities and relocation of biosolids digesters.*

The New Headworks Facility Project faces the unique challenge of maintaining operations during construction while simultaneously demolishing the existing facility. In addition, coordinating with adjacent SEP Projects and maneuvering in the space constraints of the original footprint makes this our most complex project. With the old building out of the way, construction on the new, state-of-the-art facility is well underway.

The new facilities are designed for controlling a seismic event of a magnitude 7.9 earthquake occurring on the San Andreas fault and will help minimize odors, reduce operational costs and increase SEP's efficiency. In partnership with the SF Arts Commission, the project developed a temporary art program, launched last year, to feature four local artists' artwork on the Evans Avenue construction fence, each for a period of one year. Last year, artwork by Sirron Norris was featured. This year, it has been replaced with a piece called Clear the Air by artist and Bayview Hunters Point native Malik Seneferu.

## Biosolids Digester Facilities Project

Delivering our largest project, the [Biosolids Digester Facilities Project \(BDFP\)](#), with an emphasis on safety and fiscal stewardship as a top priority for the SFPUC. To that end, January 2021 began the multi-year, temporary closure of Jerrold Avenue between Rankin and Phelps streets. With a bit more space to work from and less safety concerns working around public traffic, the project completed demolition and site preparation for the new facilities. Major foundation work was also completed including construction of a 150-foot underground retaining wall and shoring.

Mass excavation has begun to replace the existing outdated solids treatment facilities along Phelps Street and Jerrold Avenue with state-of-the-art facilities located farther away from residents. The new facilities will capture and treat odors more efficiently, produce a higher quality biosolids, and maximize biogas utilization and energy recovery.



*Southeast Wastewater Treatment Plant (SEP), Headworks Facility Project: Concrete pour on wall in Grit Tank Area 45.*

To ensure cost certainty and maintain fiscal responsibility to ratepayers, in March 2021, the Project team suspended pre-construction bid procurement activities to reassess the bid package and project delivery approach with the intention of providing a recommendation to the commission during summer 2021.

## Oceanside Treatment Plant

The Oceanside Treatment Plant (OSP) and Westside Pump Station (WSS) wastewater treatment facilities are located next to the San Francisco Zoo and treat 20% of the City's wastewater.

The investments at OSP and WSS will ensure efficient operation, improve operational

safety and seismic reliability, maintain permit compliance and ensure these facilities continue to protect public health and the environment. Ongoing construction activities during this past year for the OSP Digester Gas Utilization Upgrades Project includes yard utility pipe installation, HVAC, and electrical installation. The project will replace and upgrade the existing outdated biogas energy recovery system at OSP. Biogas, the natural byproduct from the wastewater treatment process, provides a 100% renewable alternative energy source to fossil-fuel that helps co-generate electrical power and produce hot water required for the plant. Final construction is anticipated in 2024.



*Oceanside Treatment Plant (OSP) Digester Gas Utilization Upgrade: Fabricating gas holder tank (Building 741) by placing and welding steel plates. Tank will be 59' tall and hold excess digester gas.*

## The Westside Pump Station Reliability Improvements Project

The WSS and associated facilities have been in service for numerous decades in the harsh marine environment. As part of the SSIP, the project is implementing improvements and modifications to ensure the WSS is reliable and operationally flexible, that it contains equipment redundancy, and remains compliant with State and Federal regulations. Following a robust outreach effort to the local Ocean Beach community, and in coordination with several other City agency projects on the westside of San Francisco, construction on the project began in April 2021 and is anticipated to complete in winter 2024.

## North Point Wet Weather Facility

Located near Fisherman’s Wharf, the North Point Wet Weather Facility (NPF) only operates when it’s raining and the SEP does not have capacity to handle the combined stormwater and sewage flows. As an exclusive wet-weather treatment facility dedicated to reducing the rain’s impact on the City’s Bayside system, the NPF provides pre-treatment and primary-level treatment with disinfection of wastewater before discharging into the Bay during heavy storms.

Construction of the North Shore Wet Weather Pump Station Project began in spring of 2021. The project will replace four dry weather pumps with larger units providing redundancy during wet weather, upgrade electrical distributed control systems (DCS), address corrosion and ensure this facility continues to protect our community and the health of the Bay.



*North Shore Pump Station Wet Weather Improvements: Removal of two Odor Control Units from the roof of the North Shore Pump Station.*

# Collection

A vast city under the City, including sewer pipes, pump stations and catch basins collects and conveys wastewater to our treatment facilities where it is cleaned and discharged into the San Francisco Bay or Pacific Ocean. These facilities are critical components of San Francisco's wastewater operations. The Collection System improvements in the SSIP include upgrades that enhance condition and reliability, improvements to stormwater management to reduce flooding, protection of assets against sea level rise, increase flexibility for wet weather operations, and protection of water quality. By completing these projects, the SFPUC will continue to offer reliable and high-quality sewer services to all who live, work, and play in San Francisco.

## Pump Station Upgrades

Originally built in 1954, the [Mariposa Pump Station](#) is a dry-weather pump station that pumps wastewater from the surrounding Mission Bay area to the Southeast Treatment Plant for treatment.



*Mariposa Pump Station Improvements Project:  
Concrete pour for foundation.*

The Mariposa Pump Station Improvements Project will construct a new, higher-capacity pump station and replace the existing dry-weather force main with a larger force main to accommodate the full buildout of the Mission Bay community, the new Chase Center, and planned population growth in the Potrero Hill neighborhood. By summer of 2021, the old facility had been demolished and the new building had been constructed, and crews successfully installed the new pumps and interconnect pipes on the west side of pump station. Final project completion is anticipated in winter 2021.

## Collection System Reliability Program

These projects help ensure that wastewater and stormwater are safely delivered to our treatment plants 24/7.

The SFPUC partners with SFMTA and SFPW to “dig once” where feasible to reduce impacts to the community and efficiently deliver projects. These interdepartmental projects include the Van Ness Improvement Project, Geary Rapid Transit Program, L Taraval Improvement Project and the Better Market Street Improvement Projects to upgrade aging sewer infrastructure while the City performs above ground surface and transit improvements. The partnership ensures maximization of City resources while minimizing disruptions to the communities we serve.

As of June 2020, all of the sewer replacement work on SFMTA's Van Ness Improvement Project was completed. Approximately 19,300 feet of sewers, 190 catch basins, and 80 manholes were installed. On both the Geary Sewer & Water contract and the L Taraval Segment A contract, 80% of the sewer work was completed by mid-2020. Redesign work on Better Market Street Phase 1 is underway.

Following the condition assessment of eight-miles of large-diameter sewers (sewers larger than 36-inches in diameter), three of the eight projects have completed the planning efforts and are progressing into the design

phase, including one project going into the construction phase in 2020.

For many large diameter sewer rehabilitation projects, the SFPUC is using a trenchless method called Cured-in-Place-Lining (CIPL), which involves accessing the pipe through existing manholes and rehabilitating the pipe from the inside. This method reduces construction duration and is less disruptive to neighbors, avoiding loud, messy, and highly disruptive open-trench excavation and street repaving. Using CIPL methodology, the Mission Brick Sewer Rehabilitation Project began construction in early 2021.



*Mission Street, 16th to Cesar Chavez, Brick Sewer Rehabilitation Project: The project uses a trenchless method called cured-in-place pipe (CIPP) technology to rehabilitate the brick sewer tunnel.*

## Flood Resilience Projects

Each year, more than 10 billion gallons of rain falls on our city, and with climate change, heavy storms (such as atmospheric rivers) means much of this water hits our streets at once. Storms wash pollutants like motor oil and street litter into our city's mostly combined sewer system. They mix with sanitary sewage (i.e. from toilets, showers, and sinks) before getting sent to treatment plants for cleaning and released back to the Bay or ocean.

The SFPUC continues to deliver programs, policies and projects to ensure San Francisco is as resilient and sustainable as possible in the face of intensifying storms. Several SSIP projects are in the planning/design phase

to provide Level of Service stormwater management for the following areas:

Folsom Area Stormwater Improvement Project, located in the low-lying inner Mission neighborhood around 17th and 18th streets; the Lower Alemany Area Stormwater Improvement Project surrounding the US 101 and I-280 interchange; and the Wawona Area Stormwater Improvement Project, located around 15th Avenue & Wawona Street. In early 2021, community outreach and noticing began for the Wawona Area Stormwater Improvement Project, with construction scheduled to begin July 2021.

Additional flood resilience and stormwater management projects are included in the 10-year Capital Improvement Plan. No sewer system can handle the heaviest of storms, so the SFPUC is coordinating with other City agencies to advance a comprehensive program to build flood resilience into the fabric of our City.

## Green Infrastructure Stormwater Management Projects

Green infrastructure is a stormwater management tool that takes advantage of the natural processes of soils and plants in order to slow down and clean stormwater and keep it from overwhelming the City's sewer system. As we upgrade our aging combined sewer system, we're integrating a mix of green and grey infrastructure projects to better manage stormwater.



*Sunset Boulevard Greenway: Hydroseeding, Sunset Boulevard & Noriega Street.*

Managing stormwater, which may otherwise wash pollutants into our waterways or overwhelm our sewer system, is critical to protecting water quality, wildlife and public health. The SFPUC is moving closer to the City's goal of managing one billion gallons of stormwater with green infrastructure by 2050.

Construction was completed in fall of 2020 on the Baker Beach Green Streets project. This project constructed green infrastructure in three locations in the Richmond District: bioretention planters within Lincoln Park, more planters and permeable pavement on Sea Cliff Avenue, and rain gardens at the 25th Avenue North entry to Baker Beach. This project is the second SFPUC completed green infrastructure project to win a San Francisco Collaborative Partnering Steering Committee nominated Partnering Award.

The Sunset Boulevard Greenway project's Phase 2 of construction began in October 2019 implementing construction of rain gardens and bioretention basins along several blocks of Sunset Boulevard spanning Irving Street to Ulloa Street. Construction of the Learning Lab adjacent to St. Ignatius College Preparatory will offer students in the neighborhood a place to gather to study stormwater management via green infrastructure. Final completion for this vital stormwater management project on the westside of San Francisco is scheduled for fall 2021.

## Sunset Phase II:

- Stormwater Managed: 4.9 million gallons per year
- Drainage Area: 19.9 acres
- Green Features: 21,095 square feet
- Completed construction in 2020

## Baker Beach:

- Stormwater managed: 3.1 million gallons per year
- Drainage area: 17.7 acres
- Baker Beach Green Infrastructure:

**Bioretention** 6,048 square feet

**Permeable Pavement** 5,820 square feet

**Infiltration Galleries** 6,738 square feet

**Total** 18,606 square feet



*Green Infrastructure Grant Program: Lafayette Elementary School.*

## Green Infrastructure Grant Program

During the past year, four green infrastructure grants were awarded totaling more than \$3.7M for the construction of green infrastructure on publicly and privately-owned property: Crocker Amazon Park (\$860,000), St Thomas the Apostle Church and School (\$724,000), St Monica Church and School (\$641,000), and St Anne of the Sunset Church and School (\$1,558,000). Grantees completed construction at two project sites: Lafayette Elementary School and Bessie Carmichael Middle School. Grantees began design for two projects: Lycee Francais School and St Thomas More School and Church. Despite at home learning constraints St Thomas More project team successfully conducted student engagement for the project, delivering interactive lessons to classrooms with the opportunity for students to vote on a tree species that will be included in the final design.

With a high level of interest in the grant program, the grant team continued to conduct site visits and pre-application review meetings.



*Bessie Carmichael Middle School Green Schoolyard and Green Infrastructure Grant Project: Rain garden and bioretention planters.*

## Status of Early Implementation Projects

The table below represents the status, drainage management area, performance, and green infrastructure technology features of all eight early implementation projects, each constructed in one of San Francisco’s eight watersheds.

### Stormwater Management Performance

Watershed	Project	Annual Runoff Removed from Sewer (gal/yr)
Northshore	Chinatown Living Alley	3,000
Channel	Wiggle Neighborhood Green Corridor	1,815,000
Islais Creek	Mission & Valencia Green Gateway	1,121,000
Yosemite	Yosemite Creek Daylighting Project	7,000,000
Sunnydale	Visitacion Valley Green Nodes	994,000
Lake Merced	Holloway Green Street	897,000
Sunset	Sunset Boulevard Greenway	5,333,000
Richmond	Baker Beach Green Streets	3,132,000
<b>Total</b>		<b>20,295,000</b>
<b>Total Without Yosemite</b>		<b>13,295,000</b>



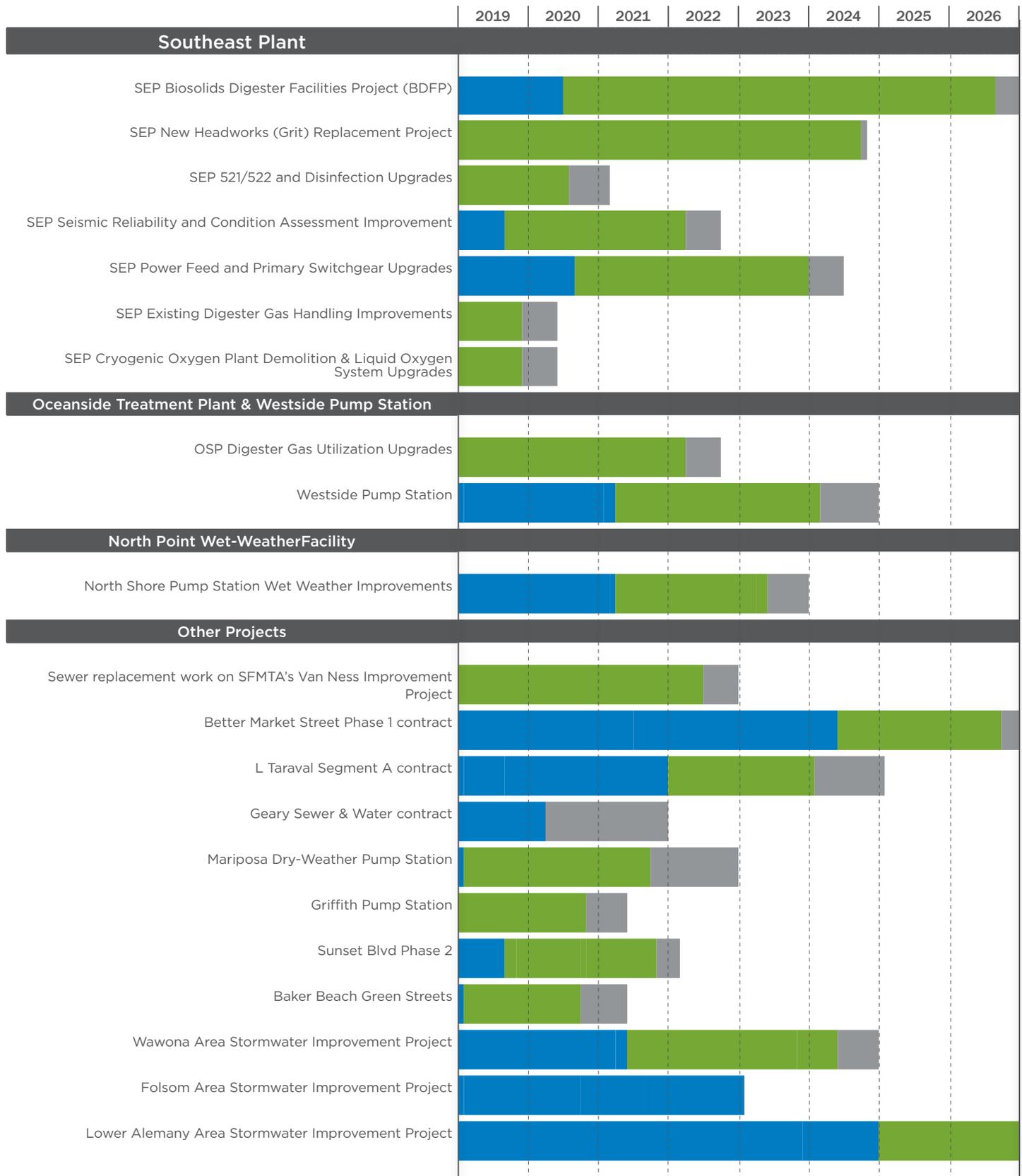
*Baker Beach Green Streets: New rain gardens at California Coastal Trail access entrance at 25th Avenue North to Baker Beach.*



*Sunset Boulevard Greenway: Sunset Boulevard & Kirkham Street.*

Projects	Status	Drainage Management Area (In Acres)	Performance (gallons of Stormwater per year)	Features
<b>Baker Beach Green Street</b>	Completed	5.1	2.6M	6,746 square feet of rain gardens, 10,347 sf of infiltration gallery, and 5,475 square feet of pervious concrete
<b>Chinatown Green Alley</b>	Completed	0.095	0.032M	203 Sft. of flow-through planters
<b>Holloway Green Street</b>	Completed	2	0.95M	18,444 square feet of permeable pavement/concrete; 2,250 square feet of rain gardens
<b>Mission and Valencia Green Streets Gateway</b>	Completed	2.2	1M	3,379 square feet of Rain gardens 1,215 square feet of Infiltration gallery
<b>Visitation Valley Green Nodes</b>	Completed	1.85	1M	3,745 square feet of rain gardens
<b>Wiggle Neighborhood Green Corridor</b>	Completed	3.9	1.2M	1045 square feet of rain gardens; 7651 square feet permeable pavement
<b>Sunset Boulevard Greenway</b>	Completed	7.7	5.3M	16,826 square feet of rain gardens
<b>Upper Yosemite Creek Daylighting</b>	Design	110	7.3M	Daylighting of historic creek at McLaren Park

# Project Status



Project Phases: ■ Planning - Bid & Award ■ Construction ■ Close-out

# Community Outreach

As we make critical investments in our infrastructure, the SFPUC aims to be a good neighbor by supporting our ratepayers, reaching out to our communities, engaging local businesses, expanding job training, and supporting neighborhood improvement initiatives.

It has been more than 10 years since we have updated our website. So much has changed over the last decade and it was time for our website to get a full refresh. We've even updated our name! Our new site puts user experience first, is mobile and tablet friendly, and is a lot easier to navigate. You can now find us at [SFPUC.org](https://www.sfpuc.org)!

Water is still at the very core of everything we do, but it is only a fraction of what we focus on as a City department of more than 2,300 employees across various bureaus and divisions.

Now you can easily find exactly what you are looking for. From Bill Pay to Construction Updates and Start/Stop Services, everything is easily accessible right from the homepage.

If you are a CleanPowerSF customer, you will now find their website at [SFPUC.org/CleanPowerSF](https://www.sfpuc.org/CleanPowerSF).

## Meeting (Virtually) in Your Neighborhood

The SSIP Communications Team is focused on providing a variety of ways for our neighborhoods and neighbors to participate in the planning and delivery of these critical projects. This includes our participation (virtual) in local organization events, citywide announcements and small group presentations and briefings.

With the onset of COVID-19, the traditional ways of connecting and engaging with our stakeholders evolved to include virtual meetings and more in-depth and real-time digital communications. While much of San Francisco sheltered in place and worked from home, our crews continued to deliver essential upgrades while following strict COVID-19 safety guidelines.

## Social Media and Online Engagement

Social media continues to be an excellent avenue to share information with community members and residents about the programs and projects taking place in their neighborhood. Video content has seen a rise in popularity as our communications team held a series of Virtual Explorations to highlight the Programs and services of the SFPUC. Videos continue to be a great way to share programs and partnerships such as our SSIP CityWorks interns or residents who Adopt a Drain, as well as showcasing neighborhood projects that benefit the entire city. Where large scale projects are underway, like at our Southeast Treatment Plant in the Bayview, we have been sharing regular bi-weekly construction updates to keep the community updated on progress and construction activities.

**8,000+** eNewsletter Subscribers

**22** Community Meetings and Workshops

**8** news articles/video segments

*All data is through June 2021*

# Community Engagement

The SFPUC is the first public utility in the nation to adopt Environmental Justice and Community Benefits policies. Our “good neighbor” policies ensure we are giving back to the communities where we provide high-quality water, power, and sewer services. We are especially committed to working with communities that are most impacted by our operations. Guided by these policies, the SSIP is a once in a lifetime opportunity to leverage our investments and partnerships to support environmental, workforce, education, and art initiatives in the Bayview-Hunters Point neighborhood, which is home to our Southeast Treatment Plant.

## Youth Employment: CityWorks

We are committed to supporting programs that expose, inspire, and prepare the next generation of our workforce for careers that support the critical systems on which we all rely. The [CityWorks Internship Program](#) concluded its tenth year of providing paid summer internships to students from San Francisco’s Southeast neighborhoods. Sponsored by social impact commitments from private engineering firms and managed by [Young Community Developers \(YCD\)](#), the program allowed 14 interns to spend eight weeks working with the SFPUC and private firms on various projects happening in their community. CityWorks interns learned valuable on-the-job skills across multiple sectors. To date, 101 students have participated in the CityWorks Internship Program, 35 interns have graduated college, 42 are currently attending a university, and 9 recently graduated from high school.



*Angel is a first-year CityWorks intern who interned at Swinerton where he was exposed to multiple disciplines.*



*Hassana is a third-year SCityWorks intern who interned at Supervisor Walton’s office and was able to learn the day-to-day dealings at city hall and work with local constituents from her community.*



*Julian is a first-year CityWorks intern who worked at AGS Inc. with their Marketing Department.*

## Art: Fulfilling Our Art Commitments and Beautifying Our Community

Recognizing the important role of art in the community, the SFPUC is committed to fulfilling the City's Public Art Ordinance which requires two percent of above-ground infrastructure construction costs go to integrating arts and cultural elements into our facilities and green spaces. With a great deal of our SSIP projects taking place in Bayview-Hunters Point, we partnered with the San Francisco Arts Commission (SFAC) to develop the Bayview Artist Registry and Bayview Arts Master Plan. These ensure the public art funded by our projects support local artists, and recognize and celebrate the people, values, and history of the Bayview-Hunters Point community while inspiring respect of the natural resources trusted to our care. The registry allows local artists to submit their qualifications for public art opportunities related to our construction projects in the Bayview. We are proud to empower and uplift local artists, communities, and nonprofits to create public art that shapes the character of our neighborhoods.

## Small Business Development: Contractors Assistance Center

We remain committed to supporting local and small businesses by providing them with the tools and resources to adequately get ACCESS to, COMPETE for, and PARTICIPATE in upcoming contracting opportunities. The [Contractors Assistance Center](#) helps these businesses build capacity and provides technical/administrative assistance to help make them competitive candidates for contracting opportunities around the City and on capital programs like the SSIP.



*Installation of the Headworks temporary fence mural, Clear the Air, by Malik Seneferu. Photo taken November 16, 2021.*

# Moving Forward

We are excited to see major construction milestones occur in the coming years. In FY20/21 six of the eight green infrastructure stormwater management projects will be completed, and construction of the Southeast Treatment Plant improvements will be underway.

As our SSIP projects become more visible to the community with construction ramping-up, our goal remains the same: Be a good neighbor. We will work with residents to minimize construction impacts and continue to help our community leverage the benefits of project construction work by providing opportunities for local residents and businesses to participate in the investments in their own communities. Under SSIP we can truly work together to rebuild and improve our combined sewer system now and for future generations. We look forward to seeing projects the community has helped plan become a reality in the coming years.



*Southeast Community Center at 1550 Evans: Community Center Building. Photo taken November 16, 2021.*



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