



Table of Contents

1) Introduction

2) Wastewater Enterprise Green Bond Impact Report

- a) Green Bond Proceeds
- b) Project Environmental Impacts Aligned with United Nations Sustainable Development Goals
- c) Case Study: Biosolids Digester Facilities Project

Appendix A: State, City and SFPUC Regulations, Policies, and Programs

Appendix B: SFPUC Green Bond Program

Appendix C: SFPUC Climate and Social Inclusion Impacts Aligned to the United Nations Sustainable Development Goals

Note: Green Bond Verification Reports are available at https://sfpuc.org/about-us/reports/debt-management-and-disclosure-reports



Introduction

The San Francisco Public Utilities Commission (SFPUC) is a department of the City and County of San Francisco (City). Since the release of its first Climate Action Plan in 2004, San Francisco has been leading the way on local climate action, environmental justice, and developing and implementing innovative programs and outreach campaigns to engage with all San Franciscans.

These Climate Action Plans impact all San Francisco departments, including the SFPUC, and influence operating and capital investment activities. The SFPUC provides top quality drinking water and wastewater services to the City of San Francisco, wholesale water to three Bay Area counties, and clean, reliable energy to San Francisco residents, businesses, and municipal departments. Located in the State of California (State), the SFPUC is governed by State and local laws and regulations, as well as policies and programs within the SFPUC, created to achieve additional climate and social inclusion goals (Please see Appendix A for additional details). Our agency was the first utility in the nation to pass Environmental Justice and Community Benefits policies that ensure we proactively provide diverse communities with opportunities in workforce and economic development, the arts, urban agriculture, and education.

The SFPUC views green bonds as an important tool to help meet these goals and finance low-carbon, climate-resilient infrastructure. Since issuing its first series of green bonds in Fiscal Year 2015 through Fiscal Year 2023, the SFPUC has sold more than \$3.7 billion in certified green bonds from its Water and Wastewater enterprises and more than \$100 million in self-certified green bonds from its Power enterprise. Impacts from the projects financed by green bonds issued by our three enterprises range from increased water storage, application of green infrastructure to manage stormwater, upgrades to renewable energy generation facilities, and the construction of green infrastructure to divert stormwater from treatment plants.

In addition to providing project impact information, this report seeks to highlight associated project co-benefits and describe the context in which climate and social inclusion informs the SFPUC's capital planning decisions. This report reflects activities through June 30, 2023.



This report speaks only as of its date. The SFPUC has not undertaken, and does not undertake, to provide any updates to this report in the future. The publication of this report does not constitute or imply any representation (i) that the information in the report is material to investors, (ii) regarding any other material financial, operating or other information about the SFPUC or its outstanding bonds or other indebtedness or (iii) that no other material circumstances or material events have occurred or that no other material information exists concerning the SFPUC or its outstanding bonds or other indebtedness. This report is not a recommendation to buy, sell or hold any bonds or obligations of the SFPUC.

GREEN BOND DESIGNATION AND CERTIFICATION

The SFPUC designates certain of its bonds as "Green Bonds" when such bond proceeds are used to finance or refinance environmentally beneficial projects based upon criteria applied by the SFPUC. Investors' criteria for determining whether bonds finance or refinance environmentally beneficial projects and/or are appropriately designated as "Green Bonds" may differ from the criteria applied by the SFPUC.

The following bonds and notes (Bonds or Green Bonds) issued through Fiscal Year 2023 have been certified under the Climate Bonds Standard established by the Climate Bonds Initiative (CBI):

Wastewater Revenue Bonds, 2016 Series A (Green Bonds)
Wastewater Revenue Bonds, 2018 Series A (Green Bonds)
Wastewater Revenue Bonds, 2018 Series C (Green Bonds)
Wastewater Revenue Bonds, 2021 Series A (SSIP) (Green Bonds)
Wastewater Revenue Bonds, 2021 Series A (Green Notes)
Wastewater Revenue Bonds, 2021 Series B (Green Notes)
Wastewater Revenue Bonds, 2023 Series A (SSIP) (Green Bonds)
Wastewater Revenue Bonds, 2023 Series C (Refunding - SSIP) (Green Bonds)

The explanation of the significance of such certification may be obtained from the CBI¹. Such Bonds have been certified upon a verification by Sustainalytics U.S., Inc., a subsidiary of Morningstar, Inc., that the projects financed and refinanced by such Bonds meet the Climate Bonds Standard under the Climate Bonds Standard Water Sector Criteria. The report by Sustainalytics and the certification of such Bonds by CBI based upon the approval of such report by the Climate Bond Standards Board reflect only the views of Sustainalytics and CBI.

¹ https://www.climatebonds.net/. The information available on such website is not incorporated by reference into this report.

Wastewater Enterprise Green Bond Impact Report

Wastewater Enterprise green bonds issued to date have been used to finance and refinance the Sewer System Improvement Program (SSIP). The SFPUC has embarked on a comprehensive SSIP to be implemented as part of the Wastewater Enterprise's rolling 10-year capital improvement program. The SSIP is a citywide investment to upgrade the SFPUC's aging infrastructure to ensure a reliable, sustainable, and seismically safe sewer system. The SSIP is a series of major capital improvement projects that are necessary to bring San Francisco's wastewater and stormwater system into a state of good repair, and to meet the Commission-endorsed goals and levels of service, which include the following:

- Provide a compliant, reliable, resilient, and flexible system responsive to catastrophic events.
- Integrate grey and green infrastructure to manage stormwater and minimize flooding.
- Provide benefits to impacted communities.
- Modify the system to adapt to climate change.
- Achieve economic and environmental sustainability.
- Maintain ratepayer affordability.

Program Scope

The SSIP is comprised of four major subprograms: Program Management, Treatment Facilities, Sewer/Collection System, and Stormwater Management/Flood Resilience Projects. Projects are prioritized and advanced in the program based on criticality of need and risk. The SSIP project development also considers environmental benefits, sustainability, and community benefits while addressing the long-term wastewater needs. These projects include but are not limited to:

Program Management

• Includes overall program management for SSIP and associated land reuse projects.

Wastewater Treatment Projects

- Replacing existing, aged, and failing solids handling facilities with new state-of-the art Biosolids Digester Facilities
- Improving the level of screening and grit removal in existing facilities
- Replacing and integrating a facility-wide distribution control system
- Condition assessment and rehabilitation of building structures
- Replacing mechanical and electrical equipment
- Seismic retrofitting

Sewer Collection System Improvement Projects

- Enhancing conveyance in the Channel and Islais Creek watershed to provide reliability and redundancy, and increase capacity to manage storm events
- Rehabilitating and replacing interceptors, tunnels, pump stations, force mains and Transport/Storage (T/S) boxes
- Rehabilitating Combined Sewer Discharge (CSD) structures and preventing backflow of bay water through CSDs due to sea level rise

Stormwater Management/Flood Resilience Projects

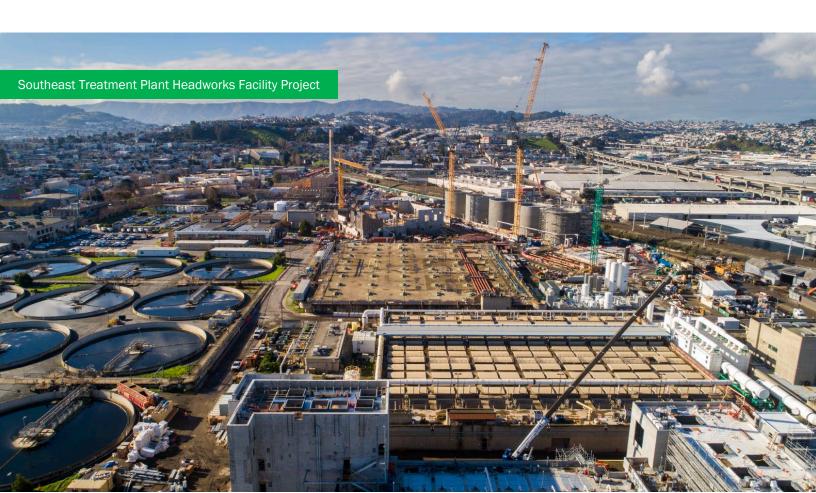
- Green infrastructure (examples include: bioretention planters for stormwater runoff and permeable paving)
- Flood resilience (analysis of flooding risks, stormwater detention and conveyance concepts, flood barriers)
- Hydraulic and drainage sewer improvements in flood prone neighborhoods
- Advanced rainfall and operational decision systems (automated real time forecasts with increased accuracy)

Green Bond Spending Details

Proceeds from each issuance of Bonds are separately tracked and allocated to designated eligible projects. Spending by bond series is detailed below.

Bond proceeds have been allocated to finance or refinance projects within the SSIP, which the SFPUC considers to be environmentally beneficial projects. These projects have been certified by CBI under the Climate Bonds Standard Water Sector Criteria and verified by Sustainalytics.

In the indenture pursuant to which Bonds have been issued, the SFPUC has reserved the right to reallocate the use of the bond proceeds among various projects. A reduction in the allocation of bond proceeds to a particular project does not necessarily mean that such project will not proceed or that the scope of such project has been reduced. Further, the amount of bond proceeds allocated to a particular project does not necessarily reflect the total cost of such project. Estimated use represents total projected spending for the bonds by project at the time of bond issuance.



Green Bond Proceeds

Wastewater Revenue Bonds, 2016 Series A As of June 30, 2023

Authority Description	Estimated Use	Prior Years Spending	FY 22-23 Spending
Wastewater Collection			
System Improvement Wastewater Central	\$62,076,000	\$29,320,085	\$ -
Bayside System			
Improvement	19,800,000	5,751,561	-
Wastewater Sewer			
System Improvement Program Biosolids-			
digester Pro	_	36,885,641	-
Wastewater			
Stormwater	40.447.000	00 000 744	
Management	49,417,066	29,988,744	-
Wastewater Flood Resilience-hydraulic			
Wastewater	-	-	-
Northshore To Channel			
Force	20,270,000	4,921,014	-
Wastewater Sewer			
System Improvement Program Program-wide			
Management	94,000,000	52,046,290	-
Wastewater Treatment			
Plant Improvement	-	87,917,089	-
Wastewater Urban			
Watershed Assessment	13,000,000	11,883,509	_
Total	\$ 258,563,066	\$ 258,713,931	

Wastewater Revenue Bonds, 2018 Series A As of June 30, 2023

Authority Description	Estimated Use	Prior Year Spending	FY 22-23 Spending
Wastewater Collection			
System Improvement	\$61,266,279	\$37,584,362	\$ -
Wastewater Central			
Bayside System			
Improvement	16,057,426	9,029,124	-
Wastewater Sewer			
System Improvement			
Program Biosolids-			
digester Pro	-	55,959,809	-
Wastewater			
Stormwater			
Management	16,965,926	7,283,077	-
Wastewater Flood			
Resilience-hydraulic	34,937,916	267,630	-
Wastewater			
Northshore To Channel			
Force	-	3,276,949	-
Wastewater Sewer			
System Improvement			
Program Program-wide			
Management	19,225,481	43,382,242	-
Wastewater Treatment			
Plant Improvement	92,560,028	83,182,373	
Wastewater Urban			
Watershed			
Assessment	<u> </u>	1,052,289	
Total	\$ 241,013,056	\$ 241,017,855	-

Wastewater Revenue Bonds, 2021 Series A (SSIP) As of June 30, 2023

Authority Description	Estimated Use	Prior Year Spending	FY 22-23 Spending
Wastewater Collection			
System Improvement	\$44,159,979	\$54,930,443	\$-
Wastewater Central			
Bayside System			
Improvement	459,664	1,762,742	-
Wastewater Sewer System Improvement			
Program Biosolids-			
digester Pro	152,955,885	157,613,391	_
Wastewater			
Stormwater			
Management	16,835,896	21,173,316	
Wastewater Flood			
Resilience-hydraulic	4 405 005	4 400 440	
-	4,485,285	4,188,142	-
Wastewater Northshore to Channel			
Force	-	948,072	
Wastewater Sewer		0.10,0.12	
System Improvement			
Program Program-			
wide Management	31,908,229	13,368,164	-
Wastewater			
Treatment Plant	72 602 005	42.024.406	
Improvement Wastewater Urban	73,692,895	42,034,196	-
Watershed			
Assessment	77,580	144,027	-
Total	\$324,575,413	\$296,162,492	\$-

Wastewater Revenue Notes, 2021 Series A As of June 30, 2023

Authority Description	Estimated Use	Prior Year Spending	FY 22-23 Spending
Wastewater Sewer System Improvement Program Biosolids-			
digester Pro	\$220,000,000	\$220,000,000	\$-
Total	\$220,000,000	\$220,000,000	\$-

Wastewater Revenue Notes, 2021 Series B As of June 30, 2023

Authority Description	Estimated Use	Prior Year Spending	FY 22-23 Spending
Wastewater Treatment Plant			
Improvement	\$130,000,000	\$130,000,000	\$-
Total	\$130,000,000	\$130,000,000	\$-

Wastewater Revenue Bonds, 2023 Series A (SSIP) As of June 30, 2023

Authority Description	Estimated Use	Prior Year Spending	FY 22-23 Spending
Wastewater Collection System Improvement	75,711,580	\$-	\$64,526,739
Wastewater Central Bayside System Improvement	160,031	-	225,102
Wastewater Sewer System Improvement Program Biosolids-	004 520 707		
digester Pro Wastewater Stormwater Management	204,538,707 31,746,602	-	281,436,082 34,826,681
Wastewater Flood Resilience-hydraulic	22,199,292	-	8,626,364
Wastewater Sewer System Improvement Program Program-wide Management	21,248,568	-	26,834,450
Wastewater Treatment Plant Improvement	196,497,580	-	149,065,422
Wastewater Urban Watershed Assessment	190,233	-	114,973
Total	\$552,202,593	\$	\$565,655,813

Wastewater Revenue Bonds, 2023 Series C (Refunding – SSIP)* As of June 30, 2023

Authority Description	Refunded by 2023 C Bonds
Wastewater Collection System Improvement	\$28,560,056
Wastewater Central Bayside System Improvement	838,453
Wastewater Sewer System Improvement Program Biosolids-	
digester Project Wastewater Sewer System Improvement Program Stormwater	79,103,494
Management	3,565,452
Wastewater Flood Resilience-hydraulic	-
Wastewater Northshore To Channel Force	973,503
Wastewater SSIP Program-wide Management	4,042,310
Wastewater Treatment Plant Improvement	, ,
Wastewater Urban Watershed Assessment	48,077,067
Total	5,559,665 \$170,720,000

 $^{{}^{*}}$ The 2023C Wastewater Green Bonds were issued to refund all of the outstanding 2018C Wastewater Green Bonds.

Project Impacts Aligned with the United Nations Sustainable Development Goals (SDGs)¹

Project Name	Project Number	UN SDGs ²	Environmental Impact Description	California Environmental Quality Act (CEQA)
Biosolids-Digester Project				
Southeast Treatment Plant Biosolids Digester Facilities Project	CWWSIPDP01	3 AND WELLERING THE PROPERTY MOUNTAIN P AND REASTRUCTURE 11 SUSTAINABLE CITES AND COMMUNITES AND COMMUNITES AND COMMUNITES AND COMMUNITES AND PRODUCTION	Plan, design, and construct new digestion and solids handling processes to replace existing aged failing systems at the Southeast Treatment Plant, which treats 80% of waste flows for a population of 798,000. The new facilities include state-of-the art treatment processes producing biogas and Class A biosolids that can be reused for beneficial purposes. Additional improvements include satisfying seismic requirements and minimizing odor and visual impacts on the surrounding community.	Environmental Impact Report
Central Bayside System Improve	ements			
Central Bayside System Improvement Project - Phase 1	CWWSIPCT01	3 GOOD HEALTH AND WELL-BEING TO MAD SANCIATION 9 MOUSTRY, RANCHOLDING 9 MOUSTRY, RANCHOLDING 11 SUSTRIANSEE CITIES 13 ACION 13 ACION	Evaluate and recommend alternatives that would enhance the collection system for two of eight watersheds. The alternatives would also consider enhancements to other related collection system assets, including infrastructure improvements to sewers and pump stations near the Southeast Treatment Plant.	N/A
Urban Watershed Assessment				
Urban Watershed Assessment and Planning Initiation	CWWSIPUW00	3 GOOD HEALTH AND WILL BEING AND SANITATION 9 ANGERTY ENCOURDING AND SANITATION 11 SINTAINABLE CITIES AND COMMUNITIES	Evaluate and recommend alternatives that balance the use of grey versus green infrastructure for improvements to watershed surface drainage and collection system management at each of San Francisco's eight drainage basins.	N/A

Determinations that project impacts align with certain United Nations Sustainable Development Goals (SDGs) are based on criteria the SFPUC has deemed to be appropriate and may differ from criteria applied by investors.

¹ For more project information, including environmental impacts, budget, and schedule, please see <u>Sewer System Improvement Program</u>.

² Developed in consultation with SFPUC senior management and <u>ICMA Green and Social Bonds: A High-Level Mapping to the Sustainable Development Goals</u>; SDG impacts have not been verified by a third-party.

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Urban Watershed Assessment and Planning	CWWSIPUW01	3 GOOD HEALTH 6 AND SWITZHING 9 NOUSTRY, INCOMINENT 11 SUSTRABAGE CITIES 13 CLIMATE ACTION 11 ACTION	Evaluate and recommend alternatives that balance the use of grey versus green infrastructure for improvements to watershed surface drainage and collection system management at each of San Francisco's eight drainage basins. Evaluation utilizes a comprehensive "Triple Bottom Line" tool that employs societal and environmental benefits and costs with the goal of delivering more holistic investment decisions.	N/A
Flood Resilience-hydraulic				
17th and Folsom Permanent Barriers	CWWSIPFCDB15	3 GOOD HEALTH AND SANISHTION 11 SUSTIANABLE CITES 12 CLIMATE AND SANISHTION 13 CLIMATE ACTION	Install durable custom aluminum or steel barriers to mitigate flooding during large storms. The long-term improvements are expected to be implemented through the Folsom Area Stormwater Improvement project.	Categorical Exemption
Hydraulic and Drainage Sewer Improvements	CWWSIPFCDB16	3 ADD HEALTH 6 CLEAN WATER 9 MEASTRY, INCOMING THE AND SANITATION 11 SUSCIANABLE CITIES 13 CLIMATE ACTION 13 ACTION	Implement small stormwater capture and conveyance improvements at critical flood-prone neighborhoods. This includes improvement of drainage features, upsizing of sewer pipes and surface grading modifications.	Categorical Exemption
17 th and Folsom Wet Weather Storage	CWWSIPFCDB07	3 GOOD HEALTH AND WILL-BEING AND SANITATION 9 AND INFRATRICTURE 11 SANICOMMONITES 13 CLIMATE ACTION	Evaluate and recommend alternatives for interim flood mitigation to a neighborhood that has been subjected to flooding during large storms. The long-term improvements are expected to be implemented through the Folsom Area Stormwater Improvement project.	N/A

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Wawona Area Stormwater Improvement and Vicente Street Water Main Replacement Project	CWWSIPFCDB12	3 GOOD HEALTH AND WILL SEING AND SANITATION 9 REQUISITY, NECONITION AND INFESTIGACIONE 11 SUSTRIABABLE CITIES 12 ACTION 13 CLIMATE ACTION	Plan, design and construct improvements to stormwater conveyance and minimize flooding in the event of moderate to heavy storms.	Categorical Exemption
Lower Alemany Area Stormwater Improvement Project	CWWSIPFCDB13	3 GOOD HEALTH AND WELL-BEING AND SANITATION BY AND INFESTRICTURE 11 SECTIONALE CITES 12 ACTION 13 ACTION 14 ACTION 15 ACTION 16 CLEAN BRATER AND INFESTRICTURE 17 ACTION 18 ACT	Plan, design and construct improvements to stormwater conveyance and minimize flooding in the event of moderate to heavy storms.	In Progress
Flood Resilience Analysis (Planning Phase Only)	CWWSIPFCDB10	3 GOOD HEALTH 3 AND WELL-BEING TO AND SANTATION 11 SUETAINABLE CITIES 12 ACTION 13 CLIMATE ACTION	Develop a framework for identifying multiple storm scenarios; quantifying risks and cost implications associated with mitigating flooding across storm scenarios and defining the extent of City responsibility based on consequences of extreme storms. This will also develop program and policies beyond collection systems to make recommendations on minimizing flood risks citywide.	N/A
Flood Resilience - Early Projects (Planning Phase Only)	CWWSIPFCDB11	3 GOOD HEATTH 3 AND WELL-SEING THE SHATIMAN SANITATION 11 SUSTAINABLE CITIES 13 ACTION 13 ACTION 14 ACTION	Plan and develop stormwater detention and conveyance concepts to three critical areas (Cayuga, Wawona and Folsom neighborhoods) that have been susceptible to reoccurring flooding associated with moderate to heavy storms.	N/A

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
SSIP Program-Wide Manageme	nt			
Sewer System Improvement Program Management	CWWSIPPLO1, RPLO1	3 GOOD HEALTH 6 CLEAN WATER 9 MOUSTRY, NOOVINDIN 11 SUSTAINABLE CITIES 13 CLIMATE ACTION 11 ACTION	Program management for the Sewer System Improvement Program includes the programmatic planning work for three treatment plants, more than a thousand miles of pipes, with 80 MG on dry-weather days and 575 MGD for rainy days for a population of 798,000. This effort identifies and prioritizes the capital improvement needs of the wastewater system.	N/A
Biofuel Alternative Energy	CWWBAE01	3 AND WELL-BEING 6 CLEAN WATER 7 AFFORDABLE AND CLEAN WATER 7 CLEAN WATER 7 CLEAN WATER 12 CRESPONSEE AND PRESCRIPTION AND PROJECTION	Evaluate the feasibility and cost-effectiveness for the SFPUC to generate bioenergy (e.g. biofuel or cogenerated power) as a byproduct of processing fats, oil, grease, and/or food waste collected throughout the City of San Francisco with a population of 798,000.	N/A
Stormwater Management				
Operational Decision System Phase 1	CWWSIPFCRP02	3 GOOD HEALTH 6 CLEAN WATER 9 MOUSTRY, NOVAMIDE 11 SUSTAINABLE CITIES 11 ACTION 11 SUSTAINABLE CITIES 12 ACTION	Integrate available data in the collection system with rainfall prediction data. The rainfall prediction data will help project the likely impact of approaching storms and generate specific operational recommendations for managing flows.	N/A

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Operational Decision System Phase 2	CWWSIPFCRP03	3 GOOD HEALTH AND WILL SEING AND SANISATION 9 NOOSTRY, NOOVIDON AND SANISATION 9 NOOSTRY, NOOVIDON AND MERITACIONE 11 SUCKAMBRIE CITIES 13 ACTION	Integrate available data in the collection system with rainfall prediction data. The rainfall prediction data will help project the likely impact of approaching storms and generate specific operational recommendations for managing flows.	N/A
Advanced Rainfall Prediction - Part 1	CWWSIPFCRP01	3 GOOD HEATH AND VIEL-BEING AND SAINTAIN 9 RIDGSTRY, NOOVATION AND NORTHERN 11 SUSTAINABLE CITIES 12 ACTION 13 ACTION	Provide rainfall forecast information to SFPUC wastewater staff automatically in real-time.	Mitigated Negative Declaration
Watershed Stormwater Management (Planning Only)	CWWSIPFCGI01	3 GOOD HEATH AND OWNER CHIES 11 SUSTAINABLE CHIES 12 ACTION 13 CLIMATE ACTION 13 ACTION 14 ACTION 15 ACTION 16 ALEAN WATER AND MARKET MODULATION AND MARKET MODULATION ACTION 17 ACTION 18 ACTION 19 AND MARKET MODULATION ACTION ACTI	Address long term green infrastructure development.	N/A
Folsom Area Stormwater Improvement Project	CWWSIPFCDB14	3 GOOD HEALTH 3 AND WILL-BEING TO AND SANITATION 9 MOUSTRY, NOTWATTON 9 MOUSTRY, NOTWATTON 11 SUSTAINABLE CITIES 13 ACTION 13 ACTION	Plan and design improvement to stormwater conveyance to minimize flooding in the event of moderate to heavy storms.	Categorical Exemption

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Richmond Green Infrastructure	CWWSIPFCDB05	3 GOOD HEALTH AND WELL-BENCH 11 SUSTAINABLE CITIES AND COMMUNITIES 13 CLIMATE AND COMMUNITIES 14 ACTION	Design and construct green infrastructure improvements in the Richmond drainage basin. Improvements include terraced rain gardens subsurface infiltration galleries, permeable pavement, rain garden bulbouts, a flow-through rain garden, traditional (infiltrative) rain garden bulb-outs, improved catch basins, and a traditional rain garden.	Categorical Exemption
Channel Green Infrastructure	CWWSIPFCDB08	3 GOOD HEALTH AND SANITATION 11 SISSTAMMER CITIES 13 CLIMATE ACTION 13 CLIMATE ACTION	Design and construct green infrastructure in the Channel drainage basin and along a popular bike route (the Wiggle) in San Francisco. The project is designed to manage runoff from 4 acres, removing 1.1 million gallons of stormwater in a typical year.	<u>Categorical</u> <u>Exemption</u>
North Shore Green Infrastructure	CWWSIPFCDB02	3 GOOD HEATH AND WELL-BENG 6 CLEAN WATER AND SANITATION AND SANITATION AND SANITATION 11 SUSTAINABLE CITIES 11 AND DOMANAMITS	Design and construct green infrastructure in the North Shore drainage basin. Improvements include routing stormwater to flow-through bioretention planters, new street surfacing and furnishing will provide improved community space for local residents and visitors.	<u>Categorical</u> <u>Exemption</u>
Yosemite Green Infrastructure	CWWSIPFCDB06	3 GOOD HEALTH AND SANITATION 11 SHOTAMARIE CITIES 12 AUGUSTAL SHOWARD SANITATION 13 AUGUSTAL SHOWARD SANITATION 14 AUGUSTAL SHOWARD SANITATION 15 AUGUSTAL SHOWARD SANITATION 16 CLEAN WAITE AND SANITATION 17 AUGUSTAL SHOWARD SANITATION 18 AUGUSTAL SHOWARD SANITATION 19 MOUSTIN', INDOVATION AND SANITATION 10 AUGUSTAL SHOWARD SANITATION 11 SHOTAMARIE CITIES 13 AUGUSTAL SHOWARD SANITATION 14 AUGUSTAL SHOWARD SANITATION 15 AUGUSTAL SHOWARD SANITATION 16 AUGUSTAL SHOWARD SANITATION 17 AUGUSTAL SHOWARD SANITATION 18 AUGUSTAL SHOWARD SANITATION 19 MOUSTIN', INDOVATION AND SANITATION 10 AUGUSTAL SHOWARD SANITATION 11 SHOTAMARIE CITIES 13 AUGUSTAL SHOWARD SANITATION 14 AUGUSTAL SHOWARD SANITATION 15 AUGUSTAL SHOWARD SANITATION 16 AUGUSTAL SHOWARD SANITATION 17 AUGUSTAL SHOWARD SANITATION 18 AUGUSTAL SHOW	Design and construct green infrastructure, including daylighting a creek and diverting flows from the sewer using swales, vegetated channels, rain gardens, piped sections and a constructed wetland, detention basin and bioswale system. This project will also provide plant establishment and/or monitoring of other green infrastructure projects.	Categorical Exemption

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Sunnydale Green Infrastructure	CWWSIPFCDB04	3 GOOD HEALTH 3 AND WELL-BEING THE AND SANITATION 11 SECHANAGE CITES 13 ACTION 13 ACTION	Design and construct green infrastructure in the Sunnydale area. Improvements include creating a large terraced bioretention facility that will capture, store, and infiltrate runoff from the impervious roadway and adjacent vegetated slope area which will also provide community benefits by enhancing an adjacent community vegetable garden and a pedestrian connection to a park. Additional work includes creation of large bioretention planters to create a small urban plaza and pleasant community space designed to manage runoff from 1.8 acres, removing 0.8 million gallons of stormwater in a typical year.	Categorical Exemption
Lake Merced Green Infrastructure	CWWSIPFCDB03	3 GOOD HEALTH AND COMMONTHS 11 SUSTAINABLE CITIES 12 ACTION 13 CLIMATE ACTION 13 ACTION	Design and construct green infrastructure in the Lake Merced area. Improvements include installation of bioretention planters to manage runoff from 2.1 acres, removing 1 million gallons of stormwater in a typical year.	Categorical Exemption
Cesar Chavez Green Infrastructure	CWWLID01	3 GOOD HEATH 3 AND WILL SEING 6 CLEAN WATER 9 MOUSTRY, INCOMMINE 11 SECTIONARIE CITIES 13 ACTION	Design and construct green infrastructure in the Mission District of San Francisco. Improvements include installing stormwater planters, permeable paving and bioretention to manage runoff and remove stormwater from entering into the sewer system.	Mitigated Negative Declaration

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Islais Creek Green Infrastructure	CWWLID02/ FCDB09	3 GOOD HEALTH 3 AND WELL-BEING TO W	Evaluate and recommend the incorporation of green stormwater management into an urban design to meet stormwater performance goals, specifically manage the first .75 inch of rainfall for a 5-year, 3-hour storm event within a 2.2-acre drainage management area. This project also creates new plazas that can serve as neighborhood gathering spaces, greening of the neighborhood and curb bulb-outs to enhance pedestrian and bicyclist safety.	Mitigated Negative Declaration
Sunset Green Infrastructure	CWWSIPFCDB01	3 GOOD HEALTH AND WILL SCINC On WIL	Construct a series of tiered bioretention rain gardens in the western stretch of landscaped parcels along 12 blocks. The rain gardens will manage stormwater runoff and will incorporate a "Learning Lab" to supplement elementary school curriculum.	Categorical Exemption

Project Name	Project Number	UN SDGs	Environmental impact Description	California Environmental Quality Act (CEQA)
Treatment Plant Improvement				
Land Reuse of 1800 Jerrold Avenue	CWWSIPPRPL91	3 GOOD HEALTH AND SANITATION 6 CLEAN WHITE AND SANITATION 9 NOUSTRY, NOUNTROLL 11 SUCTIONABLE CITIES NOUSDRANATION 11 SUCTIONABLE CITIES	Purchase of properties, with jurisdictional transfer, of a 6 acre site located adjacent to the Southeast Plant. The site is currently being considered for construction of the new Southeast Plant biosolids facilities, which treat 80% of flows for a population of 798,000.	Categorical Exemption
Land Reuse of 1801 Jerrold Avenue	CWWSIPPRPL92	3 AND WELL-SEING 6 CLEAN WATER 9 NOUSINY, ANOVATIO AND SANITATION 11 SUCCEMBER CITIES AND COMMANTES	Negotiate a transfer, demolish old facilities, and remediate the site based on geotechnical and environmental hazardous materials investigations. The site is currently being considered for construction of the new Southeast Plant biosolids facilities, which treat 80% of flows for a population of 798,000.	<u>Categorical</u> <u>Exemption</u>
Southeast Treatment Plant New Headworks (Grit) Replacement	CWWSIPSE02	3 GOOD HEALTH 3 AND WELL-BEING TO AND SANTATION 11 SUSTAINABLE CITIES 12 MISSYONSBLE ACIDIAN MALE ACIDIAN 13 CLIMATE ACIDIAN	Plan, design and construct new all-weather 250 MGD facility consisting of state-of-the-art screening, grit removal, and odor control technologies in addition to other upgrades that, among other things, improve visual aesthetics of the Southeast Treatment Plant which supports treatment of 80% of waste flows for a population of 798,000.	Mitigated Negative Declaration
Southeast Treatment Plant Oxygen Generation Plant	CWWSIPSE01	3 GOOD HEALTH AND SANITATION TO CHARA PRICE AND AND SANITATION TO CHARA DANICATION TO	Replace antiquated oxygen plants with two technologically advanced 45 tons per day oxygen generation plants at the Southeast Treatment Plant.	<u>Categorical</u> <u>Exemption</u>

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Southeast Treatment Plant Primary and Secondary Clarifier Upgrades	CWWSIPSE04	3 ADD WELL-BENG AND SANITATION 9 ROUSINY, PROCESSING 11 SUSCIAMABLE CITIES AND COMMANTIES	Provide upgrade to the mechanical, structural, and electrical components of the primary and secondary clarifiers and address operational reliability and compliance with regulatory requirements for liquid treatment at the Southeast Treatment Plant, which is responsible for treatment of 80% of flows for a population of 798,000.	Categorical Exemption
Southeast Treatment Plant 521/522 and Disinfection Upgrades (Southeast Treatment Plant Building 521 Replacement)	CWWSIPSE05	3 GOOD HEALTH 3 AND WELL BEING WAS SANITATION 11 SUSTRIABABLE CITIES 12 MISSTONSBLE CONSIDERITION AND PRODUCTION AND PRO	Provide upgrades to current wastewater disinfection facility. The improvements will provide new, seismically reliable, and effluent disinfection facility at the Southeast Treatment Plant, which treats 80% of waste flows for a population of 798,000.	Categorical Exemption
Southeast Treatment Plant Seismic Reliability and Condition Assessment Improvements	CWWSIPSE08	3 ADD WELL-BEING AND WELL-BEING AND SANITATION 9 ROUSTRY, NOVATIO AND INFRASTRUCTU AND INFRASTRUCTU The sanitation of the sanitation	Provide immediate seismic, conditional, and operational improvements to various facilities at the Southeast Treatment Plant, treating 80% of wastewater for population of 798,000 people.	<u>Categorical</u> <u>Exemption</u>
Southeast Treatment Plant Existing Digester Gas Handling Improvements	CWWSIPSE09	3 AND WELL-BEING 6 AND SANTATION 7 AFFORMATICAN 7 CLEAN WATER 7 AND SANTATION 11 SISTAMABLE CITIES AND CHARACTER 11 AND CHARACTER 12 AND CHARACTER 13 AND CHARACTER 14 AND CHARACTER 15 AND CHARACTER 16 AND CHARACTER 17 AND CHARACTER 18 AND CHARACTER 18 AND CHARACTER 18 AND CHARACTER 19 AND CHARACTER 10 AND CHARACTER 10 AND CHARACTER 10 AND CHARACTER 11 AND CHARACTER 11 AND CHARACTER 11 AND CHARACTER 12 AND CHARACTER 13 AND CHARACTER 14 AND CHARACTER 15 AND CHARACTER 16 AND CHARACTER 17 AND CHARACTER 17 AND CHARACTER 17 AND CHARACTER 18 AND CHARACTER	Provide upgrades to critical digester gas processing equipment at the Southeast Treatment Plant, which serves 80% of waste flows for a population of 798,000. Improvements include equipment upgrades to odor control, ventilation, and gas monitoring.	<u>Categorical</u> <u>Exemption</u>

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Southeast Treatment Plant Power Feed and Primary Switchgear Upgrades	CWWSIPSE10	3 ADD WELL-SCHOOL TO AND SANDATION 9 ROUSINY, NOCYCLID 9 AND SANDATION 9 ROUSINY, NOCYCLID 11 SUSTAINABE FORES 12 RESPONSIBLE SONDAPPIDA AND PRODUCTION AND PRODUCTION	Address deficiencies in current power system, obtain redundant power and plan for the need for emergency power for critical processes at the Southeast Treatment Plant to ensure continued operation in the event of seismic or extreme weather-related event.	Categorical Exemption
Southeast Treatment Plant Oxygen Generation Plant 01	CWWSIPSE11	3 GOOD HEALTH 6 CLEAM MATTER 7 AFFORMABLE AND CLEAM EMPLITY 17 ALFORMABLE AND CLEAM EMPLITY 18 AND SANITATION 19 AND STRY, SNOVATION AND CHARACTER CITIES 11 AND CHARACTER CITIES 12 AND CHARACTER CITIES 13 AND CHARACTER CITIES 14 AND CHARACTER CITIES 15 AND CHARACTER CITIES 16 AND CHARACTER CITIES 16 AND CHARACTER CITIES 17 AND CHARACTER CITIES 17 AND CHARACTER CITIES 18 AND CHARACTER CIT	Replacement of the oxygen generation facility, which is a critical component of the treatment process for the Southeast Treatment Plant.	Categorical Exemption
Northpoint Outfall Refurbishment	CWWSIPTPNP01	3 GOOD HEATH AND COMMENTES 11 SUSTAINABLE CITIES AND COMMENTES 12 AND COMMENTES 13 AND COMMENTES 14 AND COMMENTES 15 AND COMMENTES 16 CLEAN WATER 9 ROUSTRY, NOCVATIO AND INFRASTRUCTU 17 AND COMMENTES 18 AND COMMENTES 19 AND COMMENTES 10 AND COMMENTES 11 AND COMMENTES 11 AND COMMENTES 11 AND COMMENTES 12 AND COMMENTES 13 AND COMMENTES 14 AND COMMENTES 15 AND COMMENTES 16 AND SANITATION 17 AND COMMENTES 17 AND COMMENTES 18 AND COMMENTES	Rehabilitation of the discharge point of waste stream including removal of debris, repairs to existing systems and improvements to protect against corrosive marine environment and strengthen the ability to withstand operating and hydrodynamic loads at the facility responsible for processing 150 MGD of wastewater during wet weather events.	<u>Categorical</u> <u>Exemption</u>
North Shore Pump Station Wet Weather Improvements	CWWSIPTPNP02	3 GOOD HEALTH 6 CLEAM WATER 9 REQUISITY, NEOVOTO AND WALLESTING. 11 SUSTAINABLE CITIES 11 AND COMMANDES 12 RESTORMENT AND PRODUCTION AND PRODUCTION AND PRODUCTION AND PRODUCTION AND PRODUCTION AND PRODUCTION	Provide redundant pumping capacity during wet weather so that 3 of 4 pumps are capable of pumping 75 MGD during wet weather. This project will improve operational reliability and regulatory compliance.	<u>Categorical</u> <u>Exemption</u>

Project Name	Project Number	UN SDGs	Environmental impact Description	California Environmental Quality Act (CEQA)
Westside Pump Station Reliability Improvements	CWWSIPTPOP02	3 GOOD HEATH 3 AND WILL-BEING TO AND SANITATION 11 SUSTAINABLE CITIES 12 RESPONSIBLE CHORAMPTION ACTION ACTION ACTION 13 CLIMATE ACTION ACTION	Improve reliability and redundancy to pump station serving the Oceanside Treatment Plant, which provides all-weather wastewater collection to 20% of flows for population of 798,000.	Categorical Exemption
Oceanside Treatment Plant Digester Gas Utilization Upgrade	WWSIPTPOP03	3 ADD WELL-SEING 6 CLEAN WATER 7 AFTOMORAGE AND TO CLEAN WATER 7 CLEAN WATER 7 CLEAN WATER 7 CLEAN WATER 17 CLEAN WATER 18 CANADAMINITIS 18 CANADAMINITIS 19 AND WELL-SEING 11 SISTAMABLE CITES 12 CRESPONSIBLE AND COMMUNITIS AND PROFIDEDLY TO AND PROFIDE	Replace and improve equipment to comply with regulatory air board requirements as well as upgrades to maximize process efficiency within the energy recovery building at the Oceanside Treatment Plant, which treats 20% of flows for population of 798,000.	Categorical Exemption
Oceanside Treatment Plant Odor Control Optimization	CWWSIPTPOP06	3 ADD WELL-BENG 6 CLEAN WATER 9 NOUSTRY, NOUVETO NO INFESTRACTU 11 SUSTIANABLE CITES NO COMMANTES	Upgrades to inefficiencies identified in odor control including the completion of an odor control study that may identify opportunities for reducing energy consumption while maintaining effective performance and meeting offsite odor limits.	Categorical Exemption
Oceanside Treatment Plant Condition Assessment Repairs	CWWSIPTPOP05	3 GOOD HEALTH 6 CLEAN HATTER 9 DECISIVE, NOCUMBED 11 SUCCESSAGE COTES 11 AND COMMARCIES	Address reliability of existing assets and extending the service life of buildings that must remain in operation for 30 years or more to support treatment of up to 65 MGD in wet weather.	Categorical Exemption

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Southeast Treatment Plant Existing Digester Roof Repairs	CWWSIPSE03	3 GOOD HEATH 3 AND WILL-REING T AFTOMORAGE AND T CLEAN WATER T AFTOMORAGE AND T CLEAN WATER T ALTOMORAGE AND T CLEAN WATER T ALTOMORAGE AND AND WATER STOICH INC. THE AND CLEAN WATER T ALTOMORAGE AND	Maintain existing facilities to produce Class B biosolids until new facilities are available for service, allowing Southeast Plant to continue to operate and treat 80% of flows for a population of 798,000.	Notice of Exemption
Southeast Treatment Plant Facility-wide Distributed Control System Upgrade	CWWSIPSE07	3 GOOD HEALTH AND WILL-REIND WAS SANITATION 11 SUCCEMBRANCE CITIES 12 MISSYCHABILE CITIES AND ROBUSTRY, NOOWITO AND ROBUSTRY, NOOWIT	Upgrades within the Southeast Treatment Plant to improve wastewater treatment performance and reliability as well as planning and design of upgrades to other wastewater treatment facilities to ensure system-wide consistency, impacting flows for entire population of 798,000.	N/A
Collection System Improvement	s			
Hudson Ave Pump Station and Outfall Improvements	CWWSIPCSPS01	3 ADD WELL-REING 6 CLEAN WATER 9 DECISIVE, NOOVATIO 11 SUSTAINABLE CITIES AND COMMONTES 12 ADD COMMONTES	Elimination of the pump station near the Southeast Treatment Plant, resulting in more reliable flow conveyance and energy savings.	N/A

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
North Shore to Channel Force Main Drainage Improvement	CWWSIPNC01	3 GOOD HEALTH AND WELL-BEING AND SANITATION 6 CLEAN WATER AND SANITATION 9 MOUSTRY, NNOVATIO AND MATASTRUCTU 11 SUSTAINABLE CITIES AND CAMBRISHTES	Upgrades to the force main responsible for providing critical conveyance of combined sewage and stormwater flows from the northeastern quadrant of San Francisco to the Southeast Treatment Plant.	Mitigated Negative Declaration
Combined Sewer Discharge Backflow Prevention and Monitoring	CWWSIPCSCD04	3 GOOD HEALTH AND WELL-BEING AND SANITATION 11 SUSTAINABLE CITIES 13 CLIMATE ACTION 13 CLIMATE ACTION	Develop and implement a Combined Sewer Discharge and conveyance monitoring plan to gather data on saltwater intrusion in the entire collection network. This also includes installation of backflow preventers at select locations to prevent Bay water from entering the system during extreme tides and sea level rise.	<u>Categorical</u> <u>Exemption</u>
5th, North 6th and Division Street Combined Sewer Discharge Rehabilitation	CWWSIPCSCD05	3 GOOD HEALTH AND WELL-BEING AND SANIFATION 11 SUSTAINABLE CITIES AND COMMANDERS 13 CEMMIT AND COMMANDERS 14 ACTION	Rehabilitate Combined Sewer Discharge for three structures, which were selected based on their age, structural conditions, and amount of discharge and sensitivity of the receiving water body in addition to other operational deficiencies. This project also includes the installation of backflow preventers to keep Bay water from entering the system due to extreme tides and sea level rise.	Categorical Exemption
Mariposa Dry-Weather Pump Station & Force Main Improvements	CWWSIPCSPS03	3 GOOD HEALTH AND WELL-SERIE 6 CLEAN WATER AND SANITATION 9 MOUSTRY, NINOVATIO AND MATHASTRICTU 11 SUSTAINABLE CITIES AND COMMANDATIES 13 CLIMATE ACTION	Increase the current dry weather capacity of a dry-weather pump station and dry-weather force main to accommodate the peak design flow rate of 5.0 MGD. This project will construct a new pump station to serve an area of growth in the City. It will be seismically resilient and adaptive to sea level rise.	Categorical Exemption

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Marin Street Sewer Replacement	CWWSIPCSPS05	3 GOOD HEALTH 6 CLEAN WATER 9 BOUSTRY, NOOVIDED 11 SUSTIMABLE CITES 11 SUSTIMABLE CITES	Upsize existing sewers, from 24-inch diameter to 30-inch diameter, to handle additional dryweather flows projected from a tributary area.	<u>Categorical</u> <u>Exemption</u>
Griffith Pump Station Improvements	CWWSIPCSPS06	3 GOOD HEALTH AND SANDATION 9 MOUSTRY, NOOVIND AND MIRATIRECTUS 11 SUSCIAMARIE CITIES AND COMMANDITIS	Refurbish and extend service life of pump station in addition to upgrading most instrumentation and control systems, which would reduce energy use and future maintenance requirements.	<u>Categorical</u> <u>Exemption</u>
Geary Bus Rapid Transit Sewer Improvements - Phase 2	CWWSIPCSSR_N03	3 GOOD HEALTH 6 CLEAN MALTER 9 MOUSTRY, NHOWATED 11 SUSTEMMENT CITES 11 SUSTEMMENT CITES	Plan and design for sewer relocation, rehabilitation, or replacement to allow for a Bus Rapid Transit lane to operate above existing sewer lines.	Categorical Exemption
Geary Bus Rapid Transit Sewer Improvements Phase 1	CWWSIPCSSR06	3 GOOD HEALTH 6 CLEAN MATTER 9 NOOSINY, NOONITIO 11 SURTIANNES CHES 11 AND COMMANTIES	Replace approximately 1.5 miles of aging sewers and other changes to support a Bus Rapid Transit lane to improve bus service, accessibility, and pedestrian safety.	Categorical Exemption

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Collection System Condition Assessment	CWWSIPCSSR02	3 GOOD HEALTH AND WELL-BEING AND SANITATION PAGE CHEAN WATER PAGE CHEAN WAT	There are over 80 miles of sewers that are over 100 years old. This project will assess the condition of up to 13 miles of the most critical major sewers in the system and determine whether rehabilitation or replacement is necessary.	N/A
Beach and Sansome Street Combined Sewer Discharge Rehabilitation	CWWSIPCSCD03	3 GOOD REALTH AND WELL-SCINC 6 CLEAN MAILTEN AND SANITATION 9 NOUSTRY, NOUVAIND AND ANTHUSTRYCTU 11 SUSTAINABLE CITIES 12 CLEMATE ACTOR 13 CLEMATE AND CRAMADITES	Clean and conduct a specific condition assessment of Combined Sewer Discharge structures. Install backflow prevention devices to protect against Bay water entering the system due to extreme high tides and sea level rise.	Categorical Exemption
Rutland Sewer Improvements	CWWSIPCSSR12	3 GOOD REALTH AND WELL-SCRIC TO SUSTAINABLE CITIES AND COMMONITIES 11 SUSTAINABLE CITIES	Increase the hydraulic capacity of part of sewer system including replacing the existing sewer with a larger reinforced pipe, constructing a wet weather diversion structure, and improving pipe performance during a large storm event, resulting in increased system reliability.	Minor Project Modification
Drumm and Jackson Streets Sewer System Improvement	CWWSIPCSSR09	3 GOOD HEALTH AND WELL-BEING AND SANIFATION 11 SUSTAINABLE CITIES ACTOR 13 CLIMATE ACTOR 14 ACTOR	Rehabilitate 800 linear-feet of a box sewer and 200 linear feet of another box sewer which will increase the reliability of these major assets and to maximize flows to the wastewater treatment plant.	Categorical Exemption

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Richmond Transport Modeling	CWWSIPCSSR01	3 GOOD HEATH 6 ALEAN WATER 9 INDUSTRY, NAMANTO 11 SUSTAINABLE CITIES 11 ACTION 11 ACTION	Review of two models to identify recommendations for improving the system and addressing issues of hydraulics and odor control.	N/A
Masonic Avenue Sewer Improvements	CWWSIPCSSR10	3 GOOD HEALTH AND SANTATION 11 SECRAMBLE CITES 12 ACTION 13 ACTION 14 ACTION	Rehabilitate and realign approximately 4,700 linear feet of sewers, and construct new sewer mains, manholes, side sewers and catch basins to support the street improvements, which includes additions of bicycle lanes, construction of a small park and incorporation of public art elements along the corridor.	<u>Categorical</u> <u>Exemption</u>
Cargo Way Sewer Box Odor Reduction	CWWSIPCSSR11	3 GOOD HEALTH 6 CLEAN MATER 9 MOUSTRY, NOOMIND 11 SUCTIONABLE CITES 12 MISPONSBE I AND MOUSTRY OF THE CONSUMPRION AND MOUSTRON AND MOUSTRY OF THE CONSUMPRION AND MOUSTRY OF THE CONSUM	Identify odor control opportunities in collection system including locating flow sources, potential infiltration, and inflow issues. This project will install a flushing system to alleviate odor issues in the collection system.	<u>Categorical</u> <u>Exemption</u>
Taraval Sewer Improvements	CWWSIPCSSR13	3 GOOD HEALTH AND WILL-REING AND SANITATION 9 BOUSTRY, NACOVIDED AND INFERSTRICTUD 11 SUSTRIANABLE CITIES 11 AND COMMANDES 12 AND COMMANDES 13 AND COMMANDES 14 AND COMMANDES 15 AND COMMANDES 16 CLEAN WATER AND SANITATION 9 AND INFERSTRICTUD 17 AND COMMANDES 18 AND COMMANDES 10 AND COMMANDES 11 AND COMMANDES 11 AND COMMANDES 11 AND COMMANDES 12 AND COMMANDES 13 AND COMMANDES 14 AND COMMANDES 15 AND COMMANDES 16 AND COMMANDES 17 AND COMMANDES 17 AND COMMANDES 18 AND COMMAND 18 AND COMMAND 18 AND COMMAND 18	Relocate or rehabilitate approximately 19,000 linear feet of existing sewer facilities to allow for ease of future maintenance and repair/replacement without impacting municipal transit operations.	<u>Categorical</u> <u>Exemption</u>

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Kansas and Marin Streets Sewer Improvements	CWWSIPCSSR03	3 GOOD HEATH AND WELL-BEING AND SANITATION 9 NOUSTRY, NOCYATIO AND INFRASTRUCTU 11 SUISTAINABLE CITIES 13 SLIMATE ACTION	Increase wet-weather flow conveyance for a minor drainage basin within the Islais Creek watershed.	Categorical Exemption
Van Ness Bus Rapid Transit Sewer Improvements	CWWSIPCSSR04	3 GOOD HEALTH AND WELL-SEING AND SANITATION 9 ROUSTRY, NOCYATIO AND INFESTIGACIUM 11 SLIEMANUSE CITIES AND COMMUNITES	Replace and relocate existing sewer utilities to allow for future sewer service maintenance and repair/replacement without impacting the new Bus Rapid Transit operations.	Environmental Impact Report
Richmond Transport/Storage Tunnel Rehabilitation	CWWSIPCSCD01	3 GOOD HEATH AND WALL-BEING THE AND COMMANDES 11 SUSTIMMEN CITIES AND COMMANDES THE AND COMMAND THE AND	Evaluate rehabilitation methods for storage tunnel to resolve historical surge issues such as geysering through vent holes and dislodged manhole covers in addition to odor solutions.	N/A

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Force Main Rehab at Embarcadero and Jackson Streets	CWWSIPCSPS02	3 GOOD HEALTH AND WALL-BEING AND SANITATION AND SAN	Rehabilitate or replace 240 linear feet of the North Shore Force Main that is most susceptible to failure. This project will provide redundancy and reliability for conveyance of wastewater flows to the Southeast Treatment Plant.	Minor Project Modification
Better Market Street Sewer Improvements - Phase 1	CWWSIPCSSR05	3 GOOD HEALTH AND WELL-SCINC 6 CLEAN WAITER AND SANITATION 9 NOLSTRY, NOUVLITO AND AND AND STRUCTURE 11 SUSTAINABLE CITIES AND COMMONTES	Evaluate, plan and design the replacement or rehabilitation of aging sewer infrastructure beneath a portion of Market Street, a major street in San Francisco street. This phase will help advance several key City policies: Transit First, Complete Streets, the SF Pedestrian Strategy/Walk First and the SF Bicycle Plan.	<u>Various</u>
Central Subway Sewer Improvements	CWWSIPCSSR07	3 GOOD HEALTH AND WELL-BEING AND SANITATION 9 MOUSTRY, NNOVATIO AND SANITATION 11 SUSTAINABLE CITIES AND COMMONTES	Plan, design and construct sewer improvements in conjunction with a major public rail service project (Central Subway). Improvements will help avoid conflicts with rail service construction and minimize future repair and replacement impacts.	<u>Various</u>
Mission Bay Loop Sewer Improvement	CWWSIPCSSR08	3 GOOD REALTH AND WELL-SCHIC THE AND CHARACTER CHIES AND CHARACTER CHIES AND CHARACTER CHIES AND CHARACTER CHIES	Relocate and/or replace existing gravity sewers and force mains in conjunction with a rail project to avoid future conflicts with light rail operations.	<u>Various</u>

Project Name	Project Number	UN SDGs	Environmental Impact Description	California Environmental Quality Act (CEQA)
Green Infrastructure Grant Program	N/A	3 GOOD HEATTH 3 AND WELL-BEING 4 FUNCTION 10 AND SANITATION 11 SUSTAINABLE CITIES 13 CHAMTE 14 JEE 14 JEE 15 ON LAND 15 JUE 15 ON LAND 16 AND SANITATION 17 AND COMMONTHES 18 COMMONTHES 19 AND INFASTRUCTURE 19 AND INFASTRUCTURE 11 SUSTAINABLE CITIES 11 AND COMMONTHES 12 JUE 13 CHAMTE 15 ON LAND	The SFPUC's Green Infrastructure Grant Program is designed to encourage San Francisco property owners to design, build and maintain performance-based green infrastructure, including but not limited to: permeable pavement, rainwater harvesting, rain gardens, and vegetated roofs. The goal of this program is to reduce the amount of stormwater runoff entering SFPUC's sewer system and improve system performance while also providing co-benefits such as non-potable reuse, groundwater recharge and educational opportunities, and environmental justice.	

Case Study: Biosolids Digesters Facilities Project

Overview

As part of the Sewer System Improvement Program (SSIP), we are investing over \$3 billion to upgrade and modernize the aging Southeast Treatment Plant to reduce odors, be better prepared for earthquakes and sea level rise, and ensure operational redundancy and efficiency. When complete, the City's largest wastewater pollution treatment plant will be transformed into a resource recovery facility that smells better, looks better and works better.

Project Background

The Biosolids Digester Facilities Project (BDFP) will replace and relocate the outdated existing solids treatment facilities at the Southeast Treatment Plant with more reliable, efficient, and modern technologies and facilities. The new facilities will produce a higher quality biosolids, capture and treat odors more effectively, and maximize biogas utilization and energy recovery. In addition, the project will locate the digesters farther away from existing residences and make visual improvements in and around the Southeast Treatment Plant.

What are Biosolids?

Biosolids are the nutrient-rich soil-like product of the wastewater treatment process that can be used as a synthetic fertilizer-replacement and soil amendment.

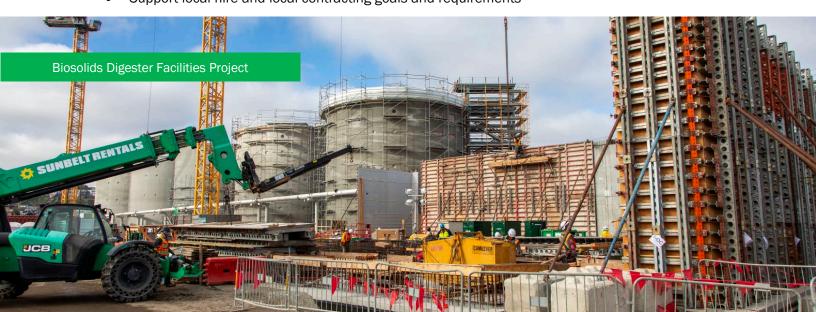
Project Benefits

This project will provide significant operational and functional improvements to this critical facility:

- Produce higher quality "Class A" biosolids that have greatly expanded beneficial uses
- Reduce odors from the treatment process
- Improve the ability for these critical facilities to withstand a 7.8 earthquake on the San Andreas fault, and a 7.1 earthquake on the Hayward fault
- Ensure that the Southeast Treatment Plant can accommodate or adapt to the expected sea level rise of 36 inches by 2100

The SFPUC is also leveraging these investments to provide opportunities to local residents and businesses who are most impacted by having this facility in the neighborhood:

- Provide a more attractive look to the facilities to better fit in with the neighborhood
- Fund local public art guided by the Bayview Arts Master Plan
- Support local hire and local contracting goals and requirements



Appendix A: State, City and SFPUC Legal, Regulatory, Policies and Programs

State of California

The State of California has enacted legislation, regulations and executive orders that put the State oncourse to achieve significant greenhouse gas reductions while also addressing the impacts of climate change. Described below are selected policies and programs related to the SFPUC's capital planning:

- Assembly Bill 32 (Nunez, 2006) and Senate Bill 32 (Pavley, 2016)
 - Landmark legislation requiring California to reduce its overall greenhouse gas emissions to 1990 levels by 2020 and 40% below 1990 levels by 2030, and appointing the California Air Resources Board to develop policies to achieve this goal.
- Assembly Bill 1482 (Gordon, 2015), Senate Bill 246 (Wiechowski, 2015), Senate Bill 379 (Jackson, 2015), Assembly Bill 2800 (Quirk, 2016), Senate Bill 1035 (Jackson, 2018); Senate Bill 30 (Lara, 2018)
 - State laws calling for preparation of state climate adaptation strategy, establishing the Office of Planning and Research's Integrated Climate Adaptation and Resiliency Program, requiring local governments to include adaptation and resiliency strategies in general plans, requiring state agencies to account for climate change when planning new infrastructure, and establishing a risk transfer/insurance working group.
- Climate Change Scoping Plan
 - California's comprehensive plan outlining the state's approach to achieving its greenhouse gas emission reduction targets, including SB 32's goal of reducing emissions 40% below 1990 levels by 2030

In August 2018, then-California State Treasurer John Chiang signed the <u>Green Bond Pledge</u>, making California the first state to pledge to use 'green' financing to combat climate change.

City and County of San Francisco

San Francisco has long been a leader in the fight against climate change. Between 1990 and 2019, San Francisco's carbon footprint was reduced by 41% while population increased 22% and the GDP increased 199%.

The San Francisco Climate Action Plan was first released in 2004 and San Francisco has been leading the way on local climate action and environmental justice, and launching innovative community programs and outreach campaigns for residents and businesses. Since then, the Climate Action Plan has been updated to put racial equity, environmental justice, resilience, public health, economic recovery, and a just transition to a fossil fuel-free jobs at the core of its climate action solutions. The latest 2021 San Francisco Climate Action Plan (Plan) is the result of a multi-year process developed by the San Francisco Department of the Environment with support and collaboration from many individuals and institutions, including the SFPUC. The Plan charts a pathway to achieve net-zero greenhouse gas emissions and works toward addressing racial and social equity, public health, economic recovery, resilience and providing safe and affordable housing to all. The Plan aligns to San Francisco's Climate Action Framework:

SAN FRANCISCO'S CLIMATE ACTION FRAMEWORK

Net-Zero Emissions Citywide By 2040 Racial, Social & Economic Equity





RESPONSIBLE PRODUCTION & CONSUMPTION

GOALS: By 2030:

1) Reduce solid waste generation 15% below

2) Reduce disposal to landfill 50% below 2015 levels



TRANSPORTATION & LAND USE

GOALS

1) By 2030, 80% of trips taken by low-carbon modes

25% of all vehicles registered in SF are electric, reaching 100% by 2040



ENERGY

GOALS:

1) 100% renewable electricity by 2025

>) 100% renewable energy by 2040 (no fossil fuels)



BUILDING OPERATIONS

GOALS:

 Zero emisisons new construction by 2021

2) All large commerical buildings are zero emissions by 2035

3) All buildings zero emissions by 2040



HEALTHY ECOSYSTEMS

GOALS:

Sequester residual emissions through nature based solutions



HOUSING

GOALS

Build at least 5,000 new units per year, with no less than 30 percent affordable, focus on rehab of existing housing

KEY AREAS:

Embodied carbon in materials

Consumption of goods & services Diet & food waste

Air travel

KEY AREAS:

Shift to low-carbon modes; align land use with climate and equity goals

Advance electric vehicles

KEY AREAS:

Renewable electricity via Hetch Hetchy and CleanPowerSF

> Grid readiness and resilience Local clean energy jobs

KEY AREAS:

New construction Existing commercial

Existing municipal Existing residential

KEY AREAS:

Soil health & sequestration Urban forest

Ecosystem management & restoration

KEY AREAS:

Equity and affordability

Production

Preservation and rehab

0

80

100

ROOTS

ALL

San Francisco's leadership further strengthened the City's commitment to climate action in 2019 when the Board of Supervisors unanimously approved the Climate Emergency Resolution 160-19, aligning the San Francisco's climate goals with the Paris Agreement by limiting global warming to 1.5 °C above pre-industrial levels.

In 2023, the San Francisco Department of the Environment collaborated with the San Francisco Public Utilities Commission to issue a <u>Water Supply Addendum</u> to the Climate Action Plan to introduce a new Water Supply chapter that will focus on how San Francisco plans to address and secure water supplies that are being impacted by multiple challenges, including climate change. Specifically, the new chapter encompasses three key strategies and 15 supporting actions for water resilience against the threat of a warming climate:

- Invest and implement demand management programs.
 - Continue to implement current conservation measure noted in the SFPUC's <u>2020 Retail</u> <u>Water Conservation Plan</u>, and on our website at <u>www.sfpuc.org/savewater</u>.
 - Continue to implement current conservation measures and upcoming new measures noted in the SFPUC's 2020 Retail Water Conservation Plan.
 - Prepare updated 2025 Retail Water Conservation Plan and implement current conservation assistance measures noted in the plan.
 - Continue to implement conservation assistance measures outlined in 2025 and futureyear Water Conservation Plans.
- Invest and implement innovative programs to reduce water use and develop new water supplies.
 - Continue to implement the pilot atmospheric water generation project to test the viability of the technology to produce water for irrigation in a community garden setting.
 - Continue to encourage breweries to reuse process water onsite via SFPUC's Onsite Water Refuse Grant Program.
 - Continue to encourage the integration of heat recovery in onsite water reuse systems. Explore opportunities for other pilot atmospheric water generation projects.
 - Continue to implement the Innovations Program.
 - Implement demonstration facilities for purified water.
- Invest and implement supply augmentation programs.
 - Continue to implement the San Francisco Groundwater Supply Project, which allows the SFPUC to supplement drinking water sources by blending a small amount of groundwater with water from the San Francisco Regional Water System.
 - Continue to implement San Francisco's Onsite Water Reuse Program, which requires new
 development projects of 100,000 gross square feet or more to install and operate an
 onsite water reuse system.
 - Continue planning, evaluation of technical viability, energy efficiency, and future climate scenarios.
 - Implement demonstration facilities for purified water.
 - Design and construction of alternative water supply projects.
 - Continue to operate and monitor groundwater projects for maximum benefit and sustainability.

In addition to the activities described above, the Mayor and Board of Supervisors have led the initiatives described below that require SFPUC capital planning to include climate and social inclusion:

- Local Hire Ordinance was adopted in December of 2010 by the San Francisco Boardof Supervisors. The ordinance requires that local residents perform a minimum 30 of trade hours and 50% for apprenticeship hours and is one of the strongest pieces of legislation in the country to promote the employment of local residents on locally sponsored projects.
- Guidance for Incorporating Sea Level Rise into Capital Planning also now takes place
 aspart of the City's Capital Planning Review process. City projects now undergo a sealevel vulnerability assessment and must respond to anticipated consequences
 throughredesign or relocation. SFPUC staff actively participated in the Mayor's Sea
 Level Rise Coordinating Committee and Working Group to develop the Sea Level Rise
 Guidance. The objective is to work with other City agencies towards a more holistic,
 integrated and coordinated response to climate change.

San Francisco Public Utilities Commission

Overview

The SFPUC is a department of the City and County of San Francisco responsible for the maintenance, operation and development of three utility enterprises:

- **The Water Enterprise** serves more than 2.7 million people and is responsible for managing the transmission, treatment, storage, and distribution of potable water to San Francisco and 27 wholesale customer entities in San Mateo, Santa Clara and Alameda counties.
- The Wastewater Enterprise operates and maintains a combined sewer system and provides sewage and stormwater collection, treatment and disposal services to customers in San Francisco and three municipal sewer service providers in northern San Mateo County.
- The Power Enterprise provides hydroelectric, solar and other power to municipal customers in San Francisco and other public agencies and retail customers. The Power Enterprise also operates CleanPowerSF, a Community Choice Aggregation program that gives electricity customers in San Francisco a choice of having their electricity supplied from clean renewable sources, such as solar, wind, and geothermal, at competitive rates.

Headquartered in San Francisco, the SFPUC has approximately 2,300 employees and a combined annual operating and capital budget of over \$2 billion.

Financial Policies

The San Francisco City Charter requires the SFPUC to exercise prudent financial stewardship of SFPUC assets by establishing "rates, fees and charges at levels sufficient to improve or maintain financial condition and bond ratings at or above levels equivalent to highly rated utilities of each enterprise under its jurisdiction, meet requirements and covenants under all bond resolutions and indentures, and provide sufficient resources for the continued financial health (including appropriate reserves), operation, maintenance and repair of each enterprise, consistent with good utility practice."

To serve the financial objectives and parameters established by the Commission, the SFPUC has established a <u>10-Year Financial Plan</u> as well as <u>Debt Management Policies and Procedures</u> for debt financing associated with the Water, Wastewater and Power Enterprises. In addition, the SFPUC maintains a <u>Fund Balance Reserve Policy</u>, a <u>Debt Service Coverage Policy</u>, and a <u>Capital Financing Policy</u>. Last, the <u>Debt Policy of The City and County of San Francisco</u>, established by the Controller's Office of Public Finance, summarizes the City's existing debt policies and formally establishes them for all future debt.⁴

⁴ For information about SFPUC's Investor Relations and Financial Reports, see: https://sfpuc.org/about-us/reports/debt-management-and-disclosure-reports

Environmental. Social, and Governance Policies and Programs

With the useful life of capital assets typically extending 30 years or more, climate mitigation and adaptation criteria are included in the SFPUC's capital planning and project selection process. Described below are SFPUC-level policies and programs that contribute to capital planning decisions informed by climate adaptation and/or mitigation and social inclusion.

The activities below have been organized into three categories: environmental, social, and governance (ESG):

Environmental

- <u>CleanPowerSF</u>: The SFPUC began serving customers through CleanPowerSF, a
 Community Choice Aggregation program, in 2016. CleanPowerSF gives residential and
 commercial electricity consumers in San Francisco a choice of having their electricity
 supplied from clean renewable sources, such as solar, wind, and geothermal, at
 competitive rates. CleanPowerSF is currently the largest supplier of electricity in
 San Francisco, serving over 380,000 accounts, approximately 58% of the total load
 within San Francisco.
- GoSolarSF: GoSolarSF is operated by the SFPUC Power Enterprise and provides rebates to help CleanPowerSF and Hetch Hetchy residential and business electric customers install solar panel systems. Together, these systems produce 23.5 megawatts of renewable solar electric power. Today, GoSolarSF continues to serve low-income customers through the <u>Disadvantaged Communities – Single-family Solar Homes (DAC-SASH) program.</u>
- <u>Water Enterprise Stewardship Policy</u>: The purpose of the Water Enterprise Environmental Stewardship Policy is to establish a long-term management policy for natural resources associated with the operation of the water system within the Tuolumne River, Alameda Creek, and Peninsula watersheds.
- Green Infrastructure: Green infrastructure projects divert stormwater from the sewer system while beautifying San Francisco's neighborhoods, providing ecological function and urban habitat, and contributing to bike and pedestrian friendly design. Green infrastructure technologies include rain gardens, permeable pavement, and rainwater harvesting systems. The SFPUC has completed 272 green infrastructure projects which collectively contributed to diverting an estimated 63 million gallons of stormwater from the sewer system annually.
- <u>OneWaterSF</u>: The objective of OneWaterSF is to optimize the use of finite water and energy resources with community and ecosystem needs, creating a more resilient and reliable future for the SPFUC.

Social

Community Benefits: The SFPUC's Community Benefits Program focuses on Workforce
Development, Education, Art, Environmental Justice/Land Use, Neighborhood
Partnerships, and Small Business Opportunities. The SFPUC was the first utility in the
nation to adopt a Community Benefits Policy and an Environmental Justice Policy that
ensure the SPFUC proactively provides diverse communities with opportunities in
workforce and economic development, the arts, urban agriculture and education.

- Environmental Justice Policy: The SFPUC affirms and commits to the goals of environmental justice to prevent, mitigate, and lessen disproportionate environmental impacts of its activities on communities in all SFPUC service areas and to ensure that public benefits are shared across all communities. The SFPUC defines environmental justice as the fair treatment of people of all races, cultures, and incomes and believes that no group of people should bear a disproportionate share of negative environmental consequences resulting from the operations, programs, and/or policies of the SFPUC.
- Social Impact Partnership Program: The SFPUC is the first public utility in the country to implement a social impact program that advances corporate social responsibility as a part of its competitive bidding process. For certain SFPUC contracts, firms responding to Request for Proposals (RFP) are able to voluntarily pledge Social Impact Partnership commitments to local impacted communities. If selected for the given contract, the firm will be responsible for delivering the Social Impact Partnership commitments that they proposed in their response to the RFP. To date, these commitments have supported scholarships for college students, mentorship for middle-school students, internships for youth and young adults, childcare for working parents, mentorship for small businesses, urban greening, and access to healthy food.

Governance

- SFPUC Commission: The SFPUC Commission consists of five members, nominated by the
 Mayor and approved by the Board of Supervisors. Their responsibility is to provide
 operational oversight in areas such as rates and charges for services, approval of
 contracts, and organizational policy. Seat 1 of the commission is reserved for a member
 with experience in environmental justice policy and an understanding of environmental
 justice issues.
- Boards, Commissions, and Committees: The SFPUC is proud to collaborate with various groups of community members to serve ratepayer needs in a way that is efficient, fair, affordable, and in harmony with the environment. These bodies include:
 - Citizens' Advisory Committee
 - Rate Fairness Board
 - Revenue Bond Oversight Committee
 - Southeast Community Facility Commission
 - Small Firm Advisory Committee
 - Residential Users Appeal Board
- 2020 Strategic Plan: In August 2016, the SFPUC Strategic Planning Steering Committee
 identified Environmental Stewardship as one of six goals to guide its work through the year
 2020. Within Environmental Stewardship, the 2020 Strategic Plan specifies the goal to
 sustainably manage the resources entrusted to its care to ensure environmental and
 community health. This includes the following objectives:
 - Sustainably manage natural resources and physical systems to protect impacted people, water, land, and ecosystems.
 - Develop, coordinate, and communicate a comprehensive and consistent approach to mitigate and adapt to climate change.
 - Be resource efficient in all business operations.
 - Investigate the feasibility of implementing an environmental management system.

United Nations Sustainable Development Goals

Impacts from SFPUC projects financed by Green Bonds are also aligned with several United Nations Sustainable Development Goals (SDGs). To determine project impact, the SFPUC relies on the International Capital Market Association (ICMA) "Green, Social and Sustainability Bonds: A High-Level Mapping tothe Sustainable Development Goals" (June 2020).





































Appendix B: SFPUC Green Bonds Program

Since 2015 through Fiscal Year 2023, the SFPUC has issued more than \$3.7 billion in certified green bonds to finance Water and Wastewater capital projects and \$100 million in self-certified green bonds to finance Power capital projects that advance climate change mitigation or adaptation, making the SFPUC one of the largest municipal issuers of green bonds in the United States 5. In 2017, the SFPUC was recognized by the Climate Bonds Initiative for being the first issuer worldwide to sell bonds under CBI's water criteria. In 2018, the SFPUC became among the first signatories of the Green Bond Pledge. In 2019, the combined green bond programs of the City and County of San Francisco and the SFPUC were recognized as a global leader in the C40 report Cities 100. Finally, the SFPUC was awarded the 2021 US Municipal Green Bond of the Year by Environmental Finance.



The SFPUC adheres to the International Capital Market Association's Green Bond Principles that consist of four core components:

- <u>Use of Proceeds</u>: The SFPUC issues Green Bonds to finance projects with clear environmental benefits. Project categories include sustainable water and wastewater management, climate change adaptation and renewable energy.
- Process for Project Evaluation and Selection: San Francisco's numerous policies and programs described herein ensure sustainable capital planning and project selection. Further, the SFPUC engages third-party verifiers to validate selected projects for the Water System Improvement Program (WSIP) and the Sewer System Improvement Program (SSIP) meet the required criteria. As part of the certification process, the SFPUC engaged Sustainalytics to provide third-party verification that the bonds are aligned with the Climate Bonds Initiative.
- Management of Proceeds: The SFPUC records Green Bond proceeds in separate capital project funds available only to eligible projects. Non-eligible projects cannot access proceeds generated from green bonds.
- Reporting: The SFPUC publishes annually Green Bond Reports for the Water, Wastewater, and Power Enterprises that include project spending and management of proceeds reports for each green bond issued throughout project construction. Beginning with the Fiscal Year 2018-19 Green Bond Reports, in addition to project spending, the reports also include project impacts as well as additional information in connection with the climate and sustainability activities of the SFPUC.

⁵ Source: S&P Global Ratings "Sustainability Insights | Research: U.S. Muni Sustainable Bonds: Moderate Growth In 2024" Sustainability Insights Research (spglobal.com)

Appendix C: SFPUC Climate and Social Inclusion Impacts Aligned to the United Nations Sustainable Development Goals (UN SDGs)

United Nations Sustainable Development Goal	SFPUC Program Impact
4 QUALITY EDUCATION	Education: The SFPUC is committed to preparing the next generation of environmental stewards and continuing to engage with existing generations to prevent pollution and sustain our natural resources. The SFPUC believes that everyone has a role to play in maintaining the environment and is proud to empower its service area communities with the resources needed to do it.
5 GENDER EQUALITY	Small Business Opportunities: The SFPUC is dedicated to increasing the number of women working in the construction trades. The SFPUC partners with the National Association of Women in Construction and the Women's Business National Council to host the Annual Women in Construction Exposition. The SFPUC is also proud to be a member of the Tuolumne Community Collaborative, a group of more than 25 entities including education institutions, local contractors, professional services firms, and government agencies that support a pipeline of local workers in the construction industry. The Collaborative features a Pre-Apprenticeship Construction Training Program, and it recently celebrated an inaugural all-female class. Through the program, participants study construction industry best practices, experience hands-on training, learn construction safety, and receive project-specific worker certifications.
6 CLEAN WATER AND SANITATION 14 LIFE BELOW WATER	The Water System Improvement Program: The Water System Improvement Program (WSIP) is a \$4.8 billion, multi-year capital program to upgrade the SFPUC's regional and local water systems. The program will deliver capital improvements that enhance the SFPUC's ability to provide reliable, affordable, high quality drinking water in an environmentally sustainable manner to 2.7 million people in the greater Bay Area. The program consists of 87 projects - 35 local projects located within San Francisco and 52 regional projects, spread over seven counties from the Sierra foothills to San Francisco. The San Francisco portion is 100% complete as of June 2020. The Regional portion is approximately 99% complete. The forecasted completion date for overall program completion is February 2027. The Sewer System Improvement Program: The Sewer System Improvement Program (SSIP) is a citywide investment to upgrade our aging sewer infrastructure to ensure a reliable, sustainable, and seismically safe sewer system now and for generations to come.
7 AFFORDABLE AND CLEAN ENERGY	Power: For 100 years, the SFPUC has been generating greenhouse gas-free hydropower as Our City's full-service, publicly owned electric utility. This clean Hetch Hetchy Power energizes our schools, MUNI, streetlights, City Hall, SFO Airport, the Zoo, and other civic institutions and private facilities. In 2016, Our City launched CleanPowerSF, a community choice aggregation program, to introduce even more renewable energy from sources like wind and solar to the electric grid. Today, CleanPowerSF powers more than 380,000 San Francisco residents and businesses.

United Notions	
United Nations Sustainable Development Goals	SFPUC Program Impact
	Workforce Development: As one of the City's largest employers, the SFPUC is fostering a skilled and diverse local workforce that manages water, power and sewer operations and is connected to the communities we all call home. SFPUC's workforce development programs connect local youth and adults with learning, apprenticeship, job training, employment, and business opportunities. These programs support a strong, inclusive, local economy and a skilled, diverse, local workforce for today and tomorrow.
8 DECENT WORK AND ECONOMIC GROWTH	Social Impact Partnership Program: The SFPUC views its capital projects as investments — in the future of its facilities, services, and its communities. As the SFPUC upgrades its systems and operations, private sector partners join the SFPUC in being a good neighbor to the communities affected by the operation and improvement of water, wastewater, and power services. By including community benefits criteria in our Requests for Proposals (RFP) with anticipated contracts of \$5 million or more, SFPUC provides its contracting community with an opportunity to earn extra points during the bidding process for their demonstrated commitment to community benefits and environmental justice. Social Impact Partners—professional services and construction firms in fields such as engineering, architecture, resource management and technology—provide resources and opportunities in the communities where SFPUC operates and provides services. These commitments include direct financial contributions, volunteer, and in-kind donations to local schools and nonprofits.
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	The Water System Improvement Program: The Water System Improvement Program (WSIP) is a \$4.8 billion dollar, multi-year capital program to upgrade the SFPUC's regional and local water systems. The program will deliver capital improvements that enhance the SFPUC's ability to provide reliable, affordable, high quality drinking water in an environmentally sustainable manner to 2.7 million people in the greater Bay Area. The program consists of 87 projects - 35 local projects located within San Francisco and 52 regional projects, spread over seven counties from the Sierra foothills to San Francisco. The San Francisco portion is 100% complete as of June 2020. The Regional portion is approximately 99% complete. The forecasted completion date for overall program completion is February 2027. The Sewer System Improvement Program: The Sewer System Improvement
	Program (SSIP) is a citywide investment to upgrade our aging sewer infrastructure to ensure a reliable, sustainable, and seismically safe sewer systemnow and for generations to come.
10 REDUCED INEQUALITIES	Environmental Justice and Land Use: The SFPUC works hard every day to provide fundamental environmental benefits through water, power and sewer services. The SFPUC recognizes there are challenges to providing these services as some parts of our community face a greater burden than others due to the location of facilities in their neighborhoods. SFPUC works with these communities to understand their needs and lessen the effects caused by operations. The SFPUC is proud to be the first public utility in the nation to develop an Environmental Justice Policy which guides efforts to support environmentally healthy and safe communities where we live, work, learn and play. As part of its mission, the SFPUC also maintains and preserves more than 590,000 acres of land to protect our natural resources and critical infrastructure. The SFPUC often has the opportunity to use land for more than one purpose and when possible, the SFPUC partners with local leaders to support innovative uses which benefit the environment and enhance the quality of life for the SFPUC's service area residents.

