

SSIP PHASE 1 PROGRAM EXECUTIVE SUMMARY

APRIL - JUNE 2016



SEP 042 Actuator Removal

KEY ACCOMPLISHMENTS

APRIL - JUNE 2016

Programmatic

- Issued certified green bonds for eligible sustainable stormwater management projects
- Participated with WEF and DC Water in the development of National GI Certification Program for contractors
- Continued to obtain approval of CWSRF loans for two SEP projects
- Continued development of RFPs for CM Professional Services contracts

Biosolids Digester Facilities Project (BDFP)

- Continued 35% design and initiated Civic Design Review process
- Advertised CM/GC RFQ

SEP New Headworks (Grit) Replacement

- Awarded CM/GC contract to Sundt/Walsh JV
- Completed 35% design and initiated Civic Design Review process

Southeast Plant (SEP)

- Completed construction of SEP Oxygen Generation Plant
- Advertised RFP for Progressive Design-Build (D-B) contract for Facility-wide DCS Control Upgrades
- Completed CER of SEP Power Feed & Primary Switchgear Upgrades and SEP Seismic Reliability & Condition Assessment Improvements

Oceanside Plant (OSP)

- Awarded construction contract for HVAC Upgrades to Blocka Construction, Inc.
- Completed 65% design of OSP Digester Gas Utilization Upgrade
- Initiated AAR for OSP Odor Control Optimization and OSP Condition Assessment Repairs

North Point Facility (NPF)

- Advertised RFQ for construction contract of NPF Outfall System Rehabilitation
- North Shore Wet Weather Pump Station Improvements and Disinfection design on hold pending scope assessment

Central Bayside System Improvement Project (CBSIP)

- Continued development of CER with focus on optimizing tunnel size along two alignments

Collection System Reliability

- Completed CER for Force Main Rehab at Embarcadero and Jackson Streets

Stormwater Management

- Completed 95% design of Richmond GI/Baker Beach Green Street and design of Channel GI/Wiggle Neighborhood Green Corridor-Phase 2
- Completed 100% design for Phase 1 of Sunset GI/Sunset Boulevard Greenway between Vincente and Yorba Streets and Sunnydale GI/Visitacion Valley Green Nodes

Flood Resilience

- Completed draft Flood Resilience Study and Executive Summary



San Francisco
Water
Power
Sewer

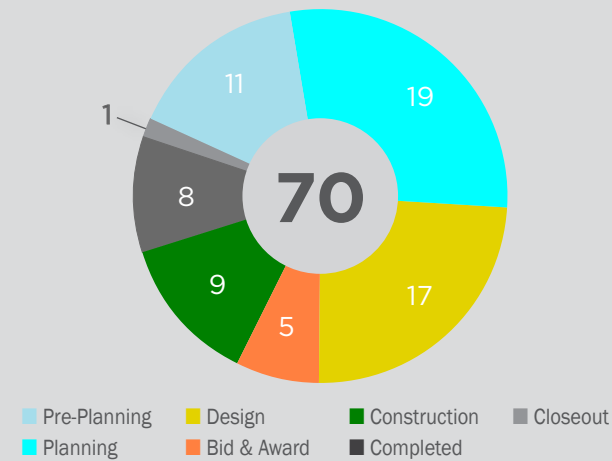
Services of the San Francisco
Public Utilities Commission

**SEWER
SYSTEM**
IMPROVEMENT PROGRAM
Grey. Green. Clean.

PHASE 1 METRICS

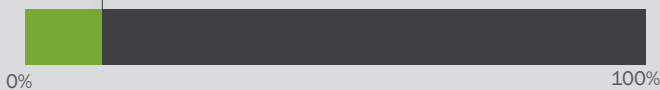
AS OF JUNE 2016

Project Count by Phase



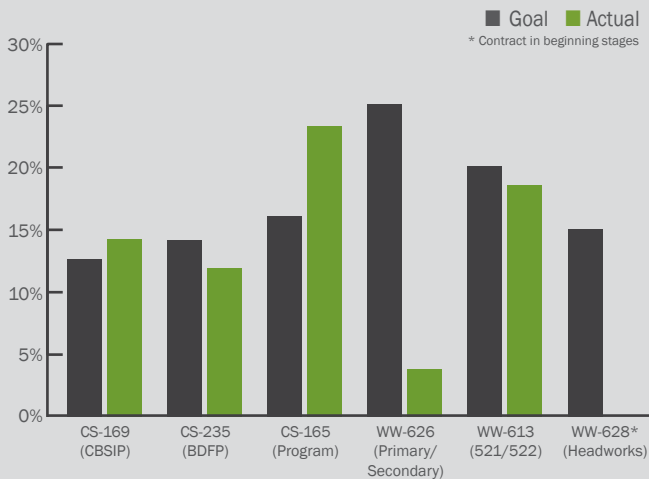
Completion

12.5%



LBE Participation By Contract

LBE participation percentages are based on expended amounts and not total contract amount



Upcoming Contracts

- August 2016: WW-610, Sunnydale GI/Visitation Valley Green Nodes
- September 2016: WW-632, SEP Existing Digester Gas Handling Improvements
- September 2016: WW-647 CM/GC, RFP Biosolids Digester Facilities Project
- September 2016: WW-614R, RFP for rebid of NPF Outfall System Rehabilitation

COMMUNICATIONS

APRIL - JUNE 2016

In the News

- Eight media mentions of SFPUC efforts related to Wastewater Revenue Bonds, and a local story covering the ways SSIP is upgrading our aging infrastructure

865,200+

IMPRESSIONS

Includes social media outlets (Facebook, Twitter, & Instagram), SSIP related web page hits, treatment plant tours, and community meeting attendees from April to June 2016.

Outreach

- Two RainReady SF Community Open Houses
- Sunset Boulevard Greenway Coffee Chat
- Two CBSIP Update community presentations at Dogpatch and Portero Boosters Neighborhood Associations, also presented at the WWCAC
- **Contractors Assistance Center Events:**
 - LBE/DBE Cross Certification Workshop in advance of CWSRF project opportunities
 - Biosolids Digester Facilities Project Contractor Open House



Top: Earth Day clean up at Booster Pump Station at Islais Creek Park Bottom: 3rd on Third Earth Day Event

Events

- August 21st: Sunday Streets, The Mission
- **CBSIP Events:**
 - July 27th: Southeast Community Facility Commission meeting
 - August 1st: Shipyard Homeowners Association
 - August 8th: South Beach/Rincon/Mission Bay Neighborhood Association
 - August 11th: Mission Bay Citizens Advisory Committee

KEY SSIP PHASE 1 CAPITAL PROJECTS

AS OF THE WWE QUARTERLY REPORT, APRIL - JUNE 2016

Project Name	Forecast Total Cost (June 2016)	FY2014		FY2015		FY2016		FY2017		FY2018		FY2019		FY2020		FY2021		FY2022		FY2023		FY2024		FY2025		FY2026		
		F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
Sewer System Improvement Program - Phase 1	\$2,910,353,645																											
Treatment Plant	\$2,182,272,412																											
Biosolids Digester Facilities Project	\$1,276,447,000																											
SEP New Headworks (Grit) Replacement	\$358,630,542																											
Southeast Plant (SEP) Improvements	\$327,110,729																											
Biofuel Alternative Energy	\$1,855,143																											
SEP Oxygen Generation Plant	\$11,781,151																											
SEP Existing Digester Roof Repairs	\$16,625,297																											
SEP Primary and Secondary Clarifier Upgrades	\$36,016,280																											
SEP 521/522 and Disinfection Upgrades (SEP Building 521 Replac	\$41,613,516																											
SEP Primary Sludge Handling Improvements	\$2,065,000																											
SEP Facility-wide DCS Control Upgrades	\$62,987,772																											
SEP Seismic Reliability and Condition Assessment Improvements	\$53,152,197																											
SEP Existing Digester Gas Handling Improvements	\$22,143,317																											
SEP Power Feed and Primary Switchgear Upgrades	\$69,840,950																											
SEP Oxygen Generation Plant 01	\$9,030,106																											
Oceanside Plant (OSP) Improvements	\$132,505,035																											
OSP Fine Screen and Grit Removal Enhancements	\$550,000																											
Westside Pump Station Reliability Improvements	\$70,500,000																											
OSP Digester Gas Utilization Upgrade	\$39,687,969																											
Westside Pump Station Redundant Force Main Improvements	\$795,000																											
OSP Condition Assessment Repairs	\$15,843,037																											
OSP Odor Control Optimization	\$5,129,029																											
North Point Facility (NPF) Improvements	\$87,579,106																											
NPF Outfall System Rehabilitation	\$17,775,621																											
North Shore Wet Weather Pump Station Improvement and Disinfecti	\$69,803,485																											
Collection System	\$504,837,222																											
Central Bayside Improvements Project (CBSIP)	\$64,000,000																											
* Interceptors/Tunnels/Odor Control	\$58,263,127																											
* Interdepartmental Projects	\$96,476,000																											
* Pump Stations and Force Main Improvements	\$75,600,000																											
* Combined Sewer Discharge (CSD) and Transport/Storage Structures	\$27,039,500																											
Stormwater Management	\$95,763,496																											
Early Implementation Projects	\$59,301,211																											
Cesar Chavez Green Infrastructure	\$1,374,143																											
Sunset Green Infrastructure	\$10,745,679																											
North Shore Green Infrastructure	\$2,493,272																											
Lake Merced Green Infrastructure	\$7,316,074																											
Sunnydale Green Infrastructure	\$4,950,000																											
Richmond Green Infrastructure	\$10,118,936																											
Yosemite Green Infrastructure	\$12,803,551																											
Channel Green Infrastructure	\$4,569,647																											
Islais Creek Green Infrastructure	\$4,929,907																											
Watershed Stormwater Management	\$7,000,000																											
Urban Watershed Assessment	\$17,409,225																											
Urban Watershed Assessment and Planning Initiation	\$3,102,671																											
Urban Watershed Assessment and Planning	\$14,260,845																											
Fulton St Sewer	\$3,222																											
Lake Merced Drainage	\$21,376																											
Major Trunk Sewers	\$21,112																											
Advanced Rainfall and Op. Decision System	\$12,053,059																											
Advanced Rainfall Prediction - Part 1	\$3,254,000																											
Operational Decision System Phase 1	\$1,000,921																											
Operational Decision System Phase 2	\$7,798,138																											
Flood Resilience	\$87,695,099																											
17th and Folsom Wet Weather Storage	\$1,012,353																											
Flood Resilience Analysis (Planning Phase Only)	\$2,506,000																											
Flood Resilience - Early Projects (Planning Phase Only)	\$5,708,747																											
Wawona St and I 5th Ave Stormwater Detention Project	\$22,710,000																											
Cayuga Ave Stormwater Detention Project	\$8,253,000																											
Folsom Area Stormwater Improvement Project	\$36,265,000																											
17th and Folsom Permanent Barriers	\$2,656,000																											
Hydraulic and Drainage Sewer Improvements	\$8,584,000																											
Land Reuse	\$98,244,010																											
Land Reuse of 1800 Jerrold Avenue	\$90,000,000																											
Land Reuse of 1801 Jerrold Avenue	\$8,244,010																											
Phase 1 Program Management	\$125,000,000																											

First phase of construction is Grit Removal Pilot Study

* Multiple Collection System Reliability Projects ■ Planning ■ Environmental ■ Design ■ Bid & Award ■ Construction ■ Closeout/Monitoring

Please refer to WWE Quarterly Report, April-June 2016 to confirm current project phase

CONSTRUCTION PHOTOS



SEP Secondary Clarifier No. 6 effluent weir removal.



SEP Secondary Clarifier No. 6 catwalk and tower removal.



Site dewatering piping installation for the SEP Building 920 location.

LOOKING AHEAD

JULY - SEPTEMBER 2016

Programmatic

- Provide quarterly status updates to Commission at July and September Commission meetings

Biosolids Digester Facilities Project (BDFP)

- Receive & review submittals to CM/GC RFQ and advertise the RFP
- Continue 35% design

SEP New Headworks (Grit) Replacement

- Issue NTP for CM/GC pre-construction services
- Initiate 65% design

Southeast Plant (SEP)

- Receive & evaluate proposals for D-B Facility-wide DCS Control Upgrades
- Complete 65% design for SEP Seismic Reliability & Condition Assessment Improvements
- Complete 35% design for SEP Power Feed & Primary Switchgear Upgrades

Oceanside Plant (OSP)

- Issue NTP for construction contract for HVAC Upgrades
- Complete AAR for OSP Condition Assessment Repairs
- Complete 35% design for Westside Pump Station Reliability Improvements
- Complete 95% design for OSP Digester Gas Utilization Upgrades

North Point Facility (NPF)

- Review responses to RFQ for NPF Outfall System Rehab
- Continue to assess equipment reconfiguration for North Shore Wet Weather Pump Station Improvement & Disinfection

Central Bayside System Improvement Project (CBSIP)

- Complete Draft TM for Channel Pump Station Modifications

Collection System Reliability

- Complete CER for Drumm and Jackson Streets Sewer System Improvements and Mariposa Dry-Weather Pump Station & Force Main Improvements
- Complete 65% design for Force Main Rehab at Embarcadero and Jackson Streets

Stormwater Management

- Issue NTP and begin construction of North Shore GI/Chinatown Green Alley
- Complete construction of pilot block of Sunset GI/Sunset Blvd. Greenway between Ulloa and Vincente Streets

Flood Resilience

- Complete combined NAR/AAR/CER TM for 17th and Folsom Permanent Barriers
- Issue NTP to construction contract for Hydraulic and Drainage Sewer Improvements

For more information, visit: sfwater.org/ssip

