

# SSIP PHASE 1 PROGRAM EXECUTIVE SUMMARY

JULY - SEPTEMBER 2016



Westside Pump Station

## COMMUNICATIONS

JULY - SEPTEMBER 2016

### In the News

- Three online media mentions of SFPUC efforts relating to SSIP's Project Labor Agreement signing; Van Ness BRT Sewer Improvements Project; and the launch of the National Green Infrastructure Certification Program

# 201,200+

## IMPRESSIONS

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

### Outreach

- Seven CBSIP presentations at neighborhood association and community meetings throughout San Francisco
- North Shore GI/Chinatown Green Alley Project Coffee Chat
- Contractors Assistance Center Event(s):
  - Biosolids Digester Facilities Pre-bid Conference



Community members discuss the North Shore GI/Chinatown Green Alley Project



Project Manager, Manfred Wong, talks with community members about the CBSIP at a Mission Bay Citizens Advisory Committee meeting

### Upcoming Events

- November 9th & 28th, December 7th: RainReadySF presentations
- November 17th: Southeast Working Group's last meeting
- December 5th & 7th: Contractors Assistance Center Green Infrastructure Training sessions
- December 6th & 7th: Headworks Community Outreach Meetings



San Francisco  
**Water**  
**Power**  
**Sewer**

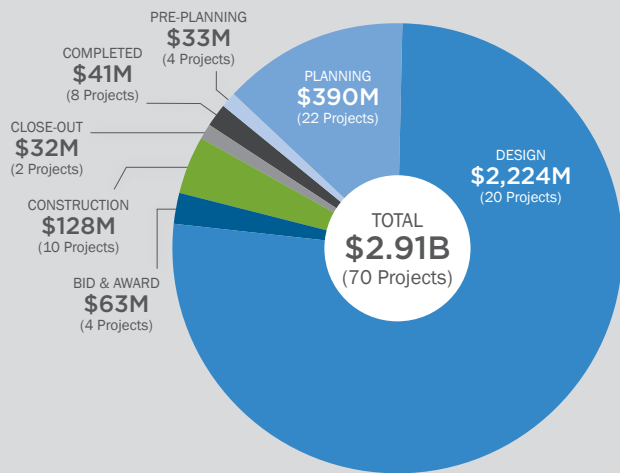
Services of the San Francisco  
Public Utilities Commission

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

## PHASE 1 METRICS

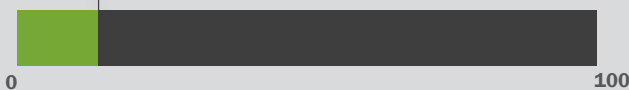
AS OF SEPTEMBER 2016

### Projects by Phase



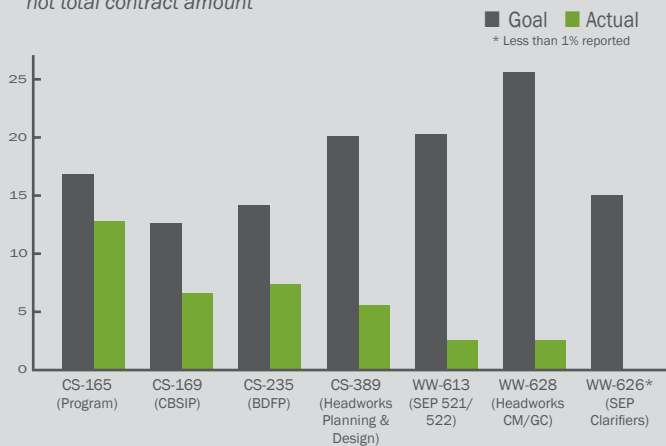
### Completion

14%



### LBE Participation By Contract

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



### Upcoming/Advertised Contracts

- October 2016: WW-632, SEP Existing Digester Gas Handling Improvements
- November 2016: PRO.0028, CM Services for SEP New Headworks (Grit) Replacement
- November 2016: WW-610R, Sunnysdale GI/Visitacion Valley Green Nodes
- November 2016: DPW Contract, Phase II of Channel GI/Wiggle Neighborhood Green Corridor
- December 2016: WW-647R, CM/GC, for SEP Biosolids Digester Facilities Project

## KEY ACCOMPLISHMENTS

JULY - SEPTEMBER 2016

### Programmatic

- Completed Phase 2 of SEP Architectural Design Guidelines

### Biosolids Digester Facilities Project (BDFP)

- Issued draft 35% design and continued development of draft EIR

### SEP New Headworks (Grit) Replacement

- Issued NTP for CM/GC pre-construction services
- Initiated 65% design

### Southeast Plant (SEP)

- Completed 65% design for SEP Seismic Reliability and Condition Assessment Improvements
- Completed 35% design for SEP Power Feed and Primary Switchgear Upgrades
- Received proposals for design-build contract for Facility-wide DCS Control Upgrades and completed ranking

### Oceanside Plant (OSP)

- Completed 35% design for Westside Pump Station Reliability Improvements
- Issued NTP for construction of OSP and Westside Pump Station HVAC Upgrades
- Re-advertised construction contract for OSP Door and Building 930 Exterior and Awning Improvements

### North Point Facility (NPF)

- Re-advertised construction contract for NPF Outfall System Rehabilitation

### Central Bayside System Improvement Project

- Completed Draft Technical Memorandum on Channel Pump Station

### Collection System Reliability

- Completed 35% design for Drumm and Jackson Streets Sewer System Improvements, Geary BRT Sewer Improvements Phase 1, and Griffith Pump Station Improvements
- Completed 95% design and received Environmental Approval (CATEX) for Marin Street Sewer Replacement

### Stormwater Management

- Completed construction of the pilot block of Sunset GI/ Sunset Blvd. Greenway (Ulloa St. to Vicente St.)
- Issued construction NTP for North Shore GI/Chinatown Green Alley
- Completed design for Channel GI/Wiggle Neighborhood Green Corridor Phase 2

### Flood Resilience

- Completed 95% design for Hydraulic and Drainage Sewer Improvements

### Land Reuse

- Awarded the Griffith Yard Improvement Construction Contract

# KEY SSIP PHASE 1 CAPITAL PROJECTS | AS OF THE WWE QUARTERLY REPORT, JULY - SEPTEMBER 2016

For additional project descriptions and schedule/budget details, please refer to the WWE Quarterly Report, July-September 2016 at [sfwater.org/ssip/reports](http://sfwater.org/ssip/reports).

## Schedule Summary



## Projects with Schedule Variance



## Cost Summary

Proposed Subprograms	Expenditures to Date	Current Approved Budget	Current Forecasted Cost	Cost Variance
<b>Treatment Plants</b>	<b>\$152M</b>	<b>\$2,182M</b>	<b>\$2,180M</b>	<b>+\$2M</b>
Biosolids Digester Facilities Project	\$63M	\$1,276M	\$1,276M	(none)
SEP New Headworks (Grit) Replacement	\$15M	\$359M	\$359M	(none)
Southeast Plant Improvements	\$55M	\$327M	\$325M	+\$2M <sup>1</sup>
Oceanside Plant Improvements	\$12M	\$133M	\$132M	(none)
North Point Facility Improvements	\$7M	\$88M	\$88M	(none)
<b>Collection System</b>	<b>\$99M</b>	<b>\$505M</b>	<b>\$505</b>	<b>(none)</b>
Central Bayside System Improvement Project	\$22M	\$64M	\$64M	(none)
Interceptors/Tunnels/Odor Control	\$3M	\$58M	\$58M	(none)
Interdepartmental Projects	\$5M	\$96M	\$96M	(none)
Pump Stations and Force Main Improvements	\$29M	\$76M	\$76M	(none)
CSD and Transport/Storage Structures	0	\$27M	\$27M	(none)
Stormwater Management	\$35M	\$96M	\$96M	(none)
Flood Resilience Projects	\$4M	\$88M	\$88M	(none)
<b>Land Reuse Projects</b>	<b>\$19M</b>	<b>\$98M</b>	<b>\$98M</b>	<b>(none)</b>
<b>Program Management</b>	<b>\$56M</b>	<b>\$125M</b>	<b>\$127M</b>	<b>-\$2M<sup>2</sup></b>
<b>TOTAL SSIP PHASE 1</b>	<b>\$326M</b>	<b>\$2,910M</b>	<b>\$2,910M</b>	<b>(none)</b>

<sup>1</sup>\$2 million savings is due to completion of several Southeast Plant projects under the approved budget.

<sup>2</sup>\$2 million over the current approved budget is due to the transfer of savings from other projects into Director's Reserve.



## CONSTRUCTION PHOTOS



SEP 521/522 and Disinfection Upgrades Projects: Concrete placement for the new No. 3 water pump trough inside the Chlorine Contact Channel



Westside Pump Station Reliability Improvements Project: Removal of existing 54-inch Flange Coupling Adapter and installation of new 54-inch Knife Gate Valve on the discharge pipe manifold

## Explanation for Schedule Variance

- **SEP Existing Digester Roof Repairs:** Project completed 5 months early.
- **SEP Existing Digester Gas Handling Improvements:** (+8 months) Bid and Award phase of the project was extended to incorporate PLA requirements and for coordination between disciplines and operations for the bid package.
- **Kansas and Marin Streets Sewer Improvements:** (+12 months) The project completion has been extended to show the recommended negotiation duration efforts.
- **Central Subway Sewer Improvements:** (+1 month) SFMTA has agreed to slip line the 78" sewer; however, the cost change will still need to be negotiated with the contractor. The completion of the 36" FM and the 48" sewer work has been now delayed due to utility conflicts.
- **Urban Watershed Assessment & Planning:** (+3 months) Project is being extended to include scope that will incorporate flood resilience analysis into a comprehensive system plan.
- **Land Reuse of 1801 Jerrold Avenue (Asphalt Plant):** (+7 months) Construction/demolition at 1801 Jerrold Avenue cannot be initiated until the following relocations have been completed: Sewer Operations from 160 Napoleon to Griffith Yard and relocation of SFPW's Street Repair facilities from 1801 Jerrold Avenue (Asphalt Plant) to 160 Napoleon.

For additional project descriptions and schedule/budget details, please refer to the WWE Quarterly Report, July–September 2016 at [sfwater.org/ssip/reports](http://sfwater.org/ssip/reports).

## LOOKING AHEAD

OCTOBER - DECEMBER 2016

### Programmatic

- Present Quarterly status update to Commission and RBOC
- Commence work on 2016 Annual Report

### Biosolids Digester Facilities Project (BDFP)

- Re-advertise CM/GC RFQ

### SEP New Headworks (Grit) Replacement

- Obtain Commission and BOS approval of the design consultant contract amendment
- Advertise Construction Management Services Contract

### Southeast Plant (SEP)

- Finalize selection process for Design-Build Facility-wide DCS Control Upgrades and award the contract
- Advertise construction contract for SEP Existing Digester Gas Handling Improvements

### Oceanside Plant (OSP)

- Award construction contract for OSP Door and Building 930 Exterior and Awning Improvements

### North Point Facility (NPF)

- Receive and evaluate bids for construction contract for NPF Outfall System Rehabilitation

### Central Bayside System Improvement Project (CBSIP)

- Receive Draft Technical Memorandums for Tunnel CER, Channel Tunnel Lift Station CER, and Channel Pump Station Repurposing CER

### Collection System Reliability

- Complete design for Force Main Rehab at Embarcadero & Jackson Streets and Drumm & Jackson Streets Sewer System Improvements
- Complete 65% design for Griffith Pump Station Improvements
- Complete design for Marin Street Sewer Replacement

### Stormwater Management

- Achieve substantial completion of Islais Creek GI/Mission Valencia Streets Green Gateway
- Re-Advertise construction contract for Sunnydale GI/Visitacion Valley Green Nodes
- Start construction of Phase 1 of Sunset GI/Sunset Blvd. Greenway (Between Taraval St. to Sloat Ave.)
- Complete design of Richmond GI/Baker Beach Green Street
- Advertise construction contract for Phase 2 of Channel GI/Wiggle Neighborhood Green Corridor

### Flood Resilience

- Complete Flood Resilience Study and Executive Summary
- Complete Final Design for Hydraulic and Drainage Sewer Improvements

For more information, visit: [sfwater.org/ssip](http://sfwater.org/ssip)

