SSIP Update for the Southeast Community Facility
Facilities and Design Committee Meeting

Chris Colwick  Sewer System Improvement Program Communications Manager
Jignesh Desai  Project Manager, Headworks Facility Project
Today’s Presentation

• Provide an update on SSIP & Headworks Facility Project

• Hear your ideas for community outreach

• Request your support to update the SECF Commission in January

• Answer your questions
San Francisco Public Utilities Commission

Water

DELIVERING HIGH QUALITY WATER EVERY DAY

Power

GENERATING CLEAN ENERGY FOR VITAL CITY SERVICES

Sewer

PROTECTING PUBLIC HEALTH AND THE ENVIRONMENT
Our Combined Sewer System

3 Treatment Facilities
1,000+ Miles of Pipes
40 Billion Gallons Treated/Year
100-Year-Old System
SSIP Phase 1 Projects | $2.9 Billion

- Treatment Plants
- Central Bayside System Improvement Project
- Green Infrastructure & Stormwater Management Projects
- Large Sewers, Tunnels, and Odor Control
- Pump Stations and Force Main Improvements
- Flood Resilience Projects
- Combined Sewer Discharge Structures & Transport/Storage Boxes
- Interdepartmental Projects
Implementing the Campus Vision

* Subject to change
Biosolids Digester Facilities Project

Budget:
$1,276M

Final EIR:
Spring 2018

Construction:
Summer 2018

Project Timeline:

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SSIP’s Phased Implementation Plan

TREATMENT PLANT PROJECTS
- SEP Biosolids Digester Facilities Project
- SEP New Headworks Facility Project
- SEP Improvements
- OSP Improvements
- NPF Improvements
- SEP Southside Renovations
- NPF Building Rehab & Repurposing

COLLECTION SYSTEM PROJECTS
- Central Bayside System Improvement Project
- Interceptors/Tunnels/Odor Control Upgrades
- Interdepartmental Projects
- Pump Stations & Force Main Improvements
- CSD Structures & T/S Boxes
- GI Early Implementation Projects (EIPs)
- Stormwater Management
- Flood Resilience Projects

Phase 1: $2,910M
Phase 2: $3,140M
Phase 3: $926M
Total SSIP: $6,976M
HEADWORKS FACILITY
PROJECT UPDATE
Headworks Facility Project

Budget: $358M

Environmental: MND Adopted

Construction: Late 2017/Early 2018

Project Timeline:

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- **Planning through Bid & Award**
- **Construction**
- **Close Out**
Project Objective / Level of Service

- Improve odor, noise and visual quality
- Provide reliability and operational flexibility
- Improve seismic reliability
- Protect downstream process/equipment
- Meet the permitted capacity of 250 million gallons per day (MGD)

Odor Control Structure – Example of Rectangular Bioscrubbers
Headworks Construction Staging at SEP

[Diagram showing the layout of the construction areas at SEP, including the SEP 010, SEP 011, SEP 012, SEP 230, and the construction staging areas.]
Headworks: Evans Avenue Lane Shift – Early 2018-2022*

*Subject to change.

LEGEND

- Yellow: Key Project Facilities
- Blue: Contractor Staging Area
- Yellow with Black Stripes: Rerouted Traffic Lanes
Your Ideas for Community Engagement

- We welcome your ideas, suggestions and thoughts!
Preliminary Construction Outreach Tools

- Mailer
- Fact Sheet
- Door-to-door
- Door hangers
- Notices and advisories
- Emails – monthly, biweekly, as needed
- Social media/NextDoor posts
- Local media outlets

- Stakeholder briefings
- Street signage/banners
- Phone hotline
- Email
- Outreach office/office hours

January 2018 SECF Commission Meeting?
Stay Informed, Get Involved!

Learn more at
sfwater.org/headworks
sfwater.org/ssip

Contact us at
ssip@sfwater.org
(415) 554-3289
THANK YOU!

QUESTIONS?
Some of Our Priority Challenges

Aging Infrastructure

Seismic Safety

Localized Flooding

Climate Change
Some of Our Priority Challenges

Southeast Plant treats 80% of City’s flow

Odors

Maintaining Water Quality
Current Construction Projects: SEP

Primary and Secondary Clarifier Upgrades
Completion Date: January 2018

SEP 521/522 & Disinfection Upgrades
Completion Date: March 2018

Existing Digester Gas Handling Improvements
Completion Date: October 2018