Southeast Treatment Plant Construction Business Briefing

Chris Colwick  Sewer System Improvement Program Communications Manager
Jim Wang     Construction Manager, Headworks Facility Project
Tom Haid     Resident Engineer, Headworks Facility Project
Today’s Presentation

• Sewer System Improvement Program Overview
• Projects at Southeast Treatment Plant
• Construction Update
• Ongoing Coordination
SEWER SYSTEM IMPROVEMENT PROGRAM (SSIP) OVERVIEW
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

- North Point Wet Weather Facility
- Southeast Treatment Plant
- Oceanside Treatment Plant

Map showing the locations of the treatment plants.
Some of Our Priority Challenges

Aging Infrastructure

Seismic Safety

Localized Flooding

Climate Change
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
SOUTHEAST TREATMENT PLANT PROJECTS
The Big Picture:
Southeast Treatment Plant Campus Vision

“To transform San Francisco’s oldest wastewater treatment plant into a state of the art resource recovery facility, a City destination, a proud neighborhood asset, and an attractive workplace.”
Implementing the Southeast Treatment Plant Campus Vision

* Subject to change
Southeast Projects Map

- Biosolids Digester Facilities Project (BDFP)
- Headworks Facility Project
- Primary and Secondary Clarifier Upgrades
- 521/522 and Disinfection Upgrades
- Existing Digester Gas Handling Improvements
- Power Feed and Primary Switchgear Upgrades
- SEP Facility-wide
- Facility-wide Distributed Control System (DCS) Upgrades
- Seismic Reliability and Condition Assessment Improvements
Southeast Projects Schedules

Current Schedule:
Southeast Treatment Plant Projects
- Biosolids Digester Facilities Project (BDFP)
- Headworks Facility Project
- Primary and Secondary Clarifier Upgrades
- 521/522 and Disinfection Upgrades
- Existing Digester Gas Handling Improvements
- Power Feed and Primary Switchgear Upgrades
- SEP Facility-wide
  - Facility-wide Distributed Control System (DCS) Upgrades
  - Seismic Reliability and Condition Assessment Improvements

Current Schedule:
New Southeast Community Facility
- Greenhouses*
- New Southeast Community Facility

* Community Process for Future of Greenhouses Underway

Project Phases:
- Planning - Bid & Award
- Construction
- Close-out/Completion
- Demolition
- Interim Greenhouses Grant Program
Biosolids Digester Facilities Project

Budget: $1,276M

Final EIR: March 2018

Construction: Late 2018

Current Project Timeline *(subject to change)*:

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- Planning through Bid & Award
- Construction
- Close Out
Biosolids Digester Facilities Project (BDFP)

Key Features

- Reduce number of digesters from 9 to 5
- Generate 5 MW electricity to power new facility
- Improve Biosolids treatment quality from Class B to Class A for more beneficial uses
- Limit odors to within the SEP fence line
Headworks Facility Project

Budget: $358M

Environmental: Mitigated Negative Declaration Adopted

Construction: Spring 2018

Current Project Timeline:

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- Planning through Bid & Award
- Construction
- Close Out
Headworks Project Objectives

Key Features

• 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)
Project Areas – Existing Headworks Facilities

Bruce Flynn Pump Station

ICS/SELS

011 Headworks

012 Headworks

Influent Control Structure/Southeast Lift Station
Headworks: Evans Avenue Lane Shift – Spring 2018-2022*

*Subject to change.
Evans Avenue “Lane Shift” (between Quint and Rankin Streets)

Late Spring 2018*
• Equipment staging area
• Public safety
• Maintain 2-lanes both directions
• No parking on Evans (between Quint and Rankin)

* Subject to Change
Removal of Greenhouses for Biosolids Project
Construction Staging: Spring-Fall 2018

- Construction Hours:
  - Monday - Friday from 7:00 a.m. to 4:00 p.m.
- Contractor Access via Quint St.
- Limited Parking Impacts
Ongoing Coordination during Construction

• Confirm we have your preferred contact information.

• How would you like to be kept informed?

• Should we have a regular meeting like this?

• Would you like us to share informational about your business with contractors and their staff?
Key Takeaways

• The SFPUC is upgrading and modernizing our Sewer System

• Major projects at the Southeast Treatment Plant are getting underway and will take several years

• Construction will have a variety of temporary impacts, some negative, some positive

• Once complete, the Southeast Treatment Plant will work better, smell better and look better
Stay Informed, Get Involved! Grab a Contact Card!

IMPROVEMENTS ARE UNDERWAY IN YOUR NEIGHBORHOOD

The Sewer System Improvement Program (SSIP) is underway in your neighborhood.

Here are a number of ways to reach us and stay informed about construction happening at the Southeast Treatment Plant (SEP):

- Call (415) 551-4SEP (4737) or dial 3-1-1
- Online at sfwater.org/ssip and get construction updates at sfwater.org/SEPconstruction
- Sign-up for Southeast Construction Updates at sfwater.org/signup
- Visit us at the SEP Construction Information Hub 1800 Oakdale Avenue, Phelps Wing Monday and Friday, 9:30am-12pm, 1:30pm-4pm
- Learn more about community resources: Jobs Information Hotline: (415) 934-5777 Job Training: oewd.org/city-build Contractors Assistance: sfwater.org/acp
We Want to Hear from You!

THANK YOU!

QUESTIONS?