



San Francisco
**Water
Power
Sewer**

Services of the San Francisco
Public Utilities Commission

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

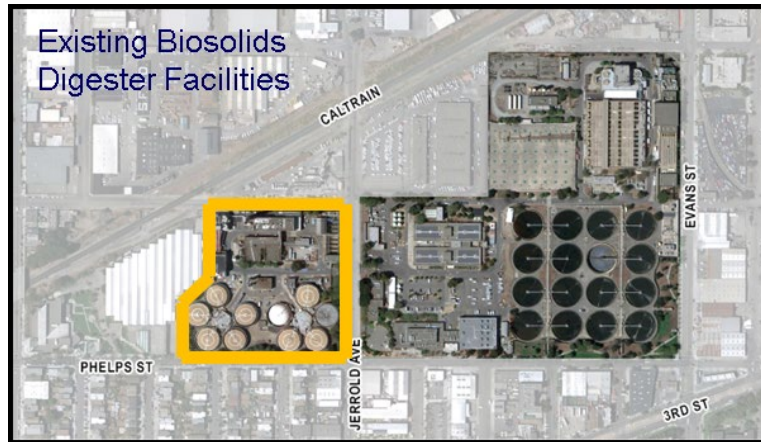
Southeast Plant Biosolids Digester Facilities Project (BDFP)

**BOS Budget & Finance Committee
September 21, 2022**

Southeast Plant (SEP)

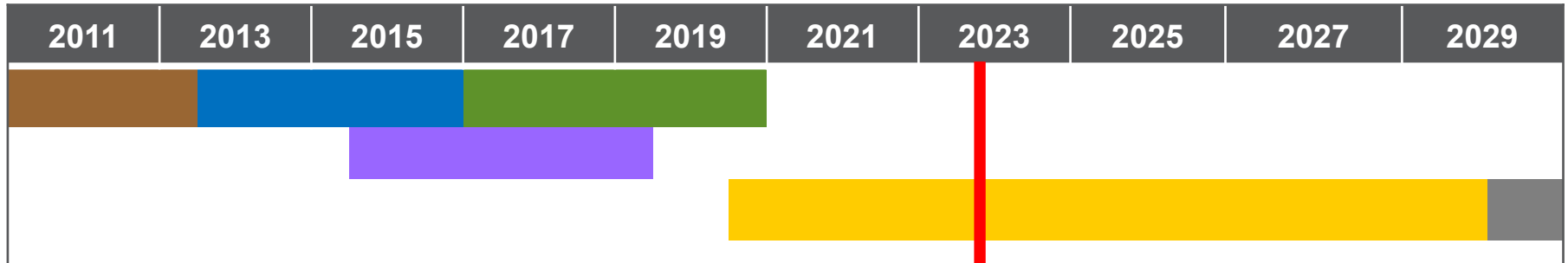


Biosolids Project - Vital for Everyone



- Replace the digesters and solids handling facilities at Southeast Plant
- Address aging infrastructure – Construct new modern, proven, and efficient treatment technologies
- Maintain regulatory compliance
- Build critical processes with redundant infrastructure to provide reliability and operational flexibility
- Improve seismic reliability
- Beneficially use 100% of Biosolids and Biogas produced
- Improve odor, noise, and visual quality

Biosolids Project - Timeline



- Project Initiation/ Development** January 2011 to July 2013
- Planning and Conceptual Design** August 2013 to December 2015
- Environmental Review (EIR)** June 2015 to March 2018
- Design** January 2016 to December 2020
- Construction (CM/GC Delivery)** August 2019 to May 2028
- Project Close Out** May 2029

Current Status

Project Cost: \$2.4 billion

- Construction: \$1.9 billion

Construction Progress:

- Soil excavation, dewatering, shoring, and installation of piles are complete
- Digester walls being erected. Completed concrete placement of the mat foundation
- Prepping work for Solids Pretreatment Bldg.

Contractor Procurement by CM/GC

- Bid and award 56% of the construction. Buyout of the major facilities to be completed by end of the year
- Engaging with local workforce and LBE community

Construction Bid Information:

SEPBIOSOLIDS.COM



Construction Progress



Local Hire and LBE Participation During Construction

Local Hire – Individual Workers

- Project's Local Hire Participation is 35%
 - City's Local Hire Ordinance requirement – 30%
- Project's Local Apprentice participation is 67%
 - City's Local Hiring Ordinance requirement for apprentices – 50%

Local Business Enterprise (LBE)

- Current LBE Participation – 22%
 - Project LBE requirement – 12%
- 66 LBEs awarded 143 contracts (\$118 million total value)

CS-235 Contract – Brown and Caldwell

- Provides specialized wastewater facility planning and engineering services and consists of two phases:
 - Phase 1 – Planning through 35% Design, and
 - Phase 2 – Detailed Design, Engineering Support during Bidding and Construction
- Serves as the Designers of record for the new facilities currently under construction
- Ensures that engineering support is available through the construction phase and facility start-up and commissioning of the new biosolids facilities

Amendment No. 2 CS-235 Planning and Engineering Services Contract with Brown and Caldwell Team

Pending BOS Approval

- **Request:** Increase contract value by of \$55.0 million for a total contract value of \$208.5 million with a time extension of 42 months through July 2029
- **Contract Amendment:**
 - To continue engineering support from the design team during construction for continuity and efficiency
 - To provide technical support and expertise during start-up, testing and commissioning of new facilities
- **This cost amendment and time extension is within the approved project budget and schedule**

*Aerial view of new
Biosolids Facilities*



THANK YOU



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