

# Construction Contract Award for Filter Rehabilitation Project

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**CIP**  
**San José-  
Santa Clara  
Regional  
Wastewater  
Facility**

# Project Background



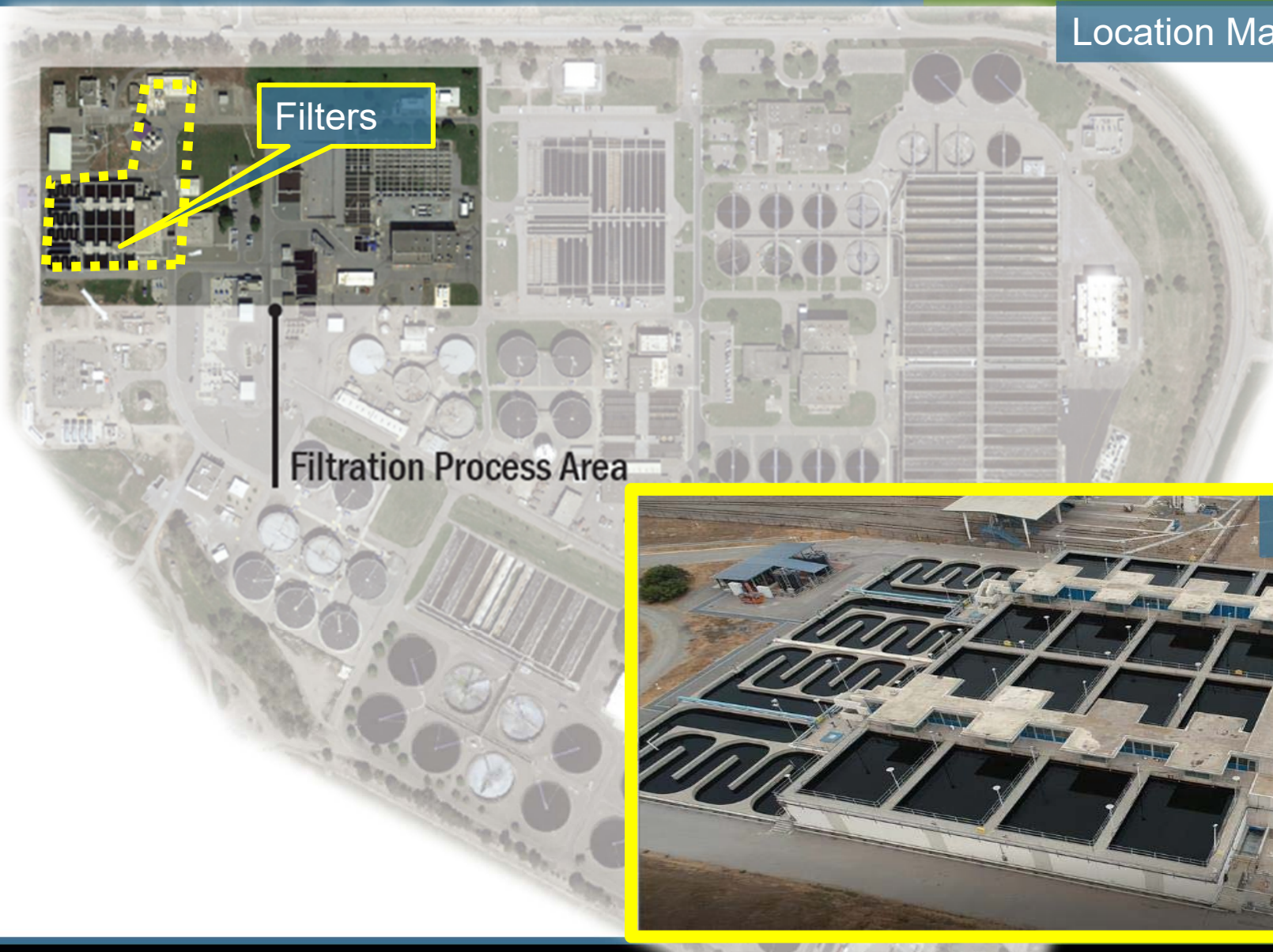
Filter Building Construction in 1977

- Most of the Filtration Process equipment was constructed in the 1970s and 1980s and requires significant repair or replacement
- Filters provide tertiary treated water for NPDES discharge and recycled water for South Bay Water Recycling (SBWR)
- Critical and key process improvements are required to ensure continued regulatory compliance and operational reliability of the Filtration Process



# Project Location

Location Map



Aerial View



# Project Components – Granular Media Filters

- Media replacement and underdrain repairs
- Addition of Air Scour System (air distribution system, air compressors, valves, controls, etc.)
- Removal of existing surface wash system





# Project Components – Mechanical Improvements

- 79 Filter gallery valves and associated actuators
- 2 Backwash influent flow meters



Existing Flowmeter



Valves in Crowded Filter Galleries



Existing Valves

# Project Components – Structural Improvements

- Concrete repairs
- Seismic bracing of freestanding electrical equipment



Existing Expansion Joint with Cracks



Concrete Spalls

# Project Components – Electrical Improvements

- Replace Switchgears S12, S10, S6, and associated Motor Control Consoles (MCCs)



Existing Electrical Switchgears



Existing Transformers



# Project Components – Safety Improvements

- Improvements for filter deck lighting
- Additional guardrails for fall protection



Filter Deck Lighting



FIPS Roof Edge Fall Protection



# Summary of Bid Results

## Bid Results

- Pre-qualified Three Contractors Sep 2019
- Received Three Bids
- Base Bid + Add Alternates
  - Engineer's Estimate: \$32,232,752
  - Bids ranged from \$33,553,877 to \$36,167,240

## Low Bidder

- Walsh Construction Company II LLC
- Base Bid + Add Alternates: \$33,553,877

## Construction Schedule

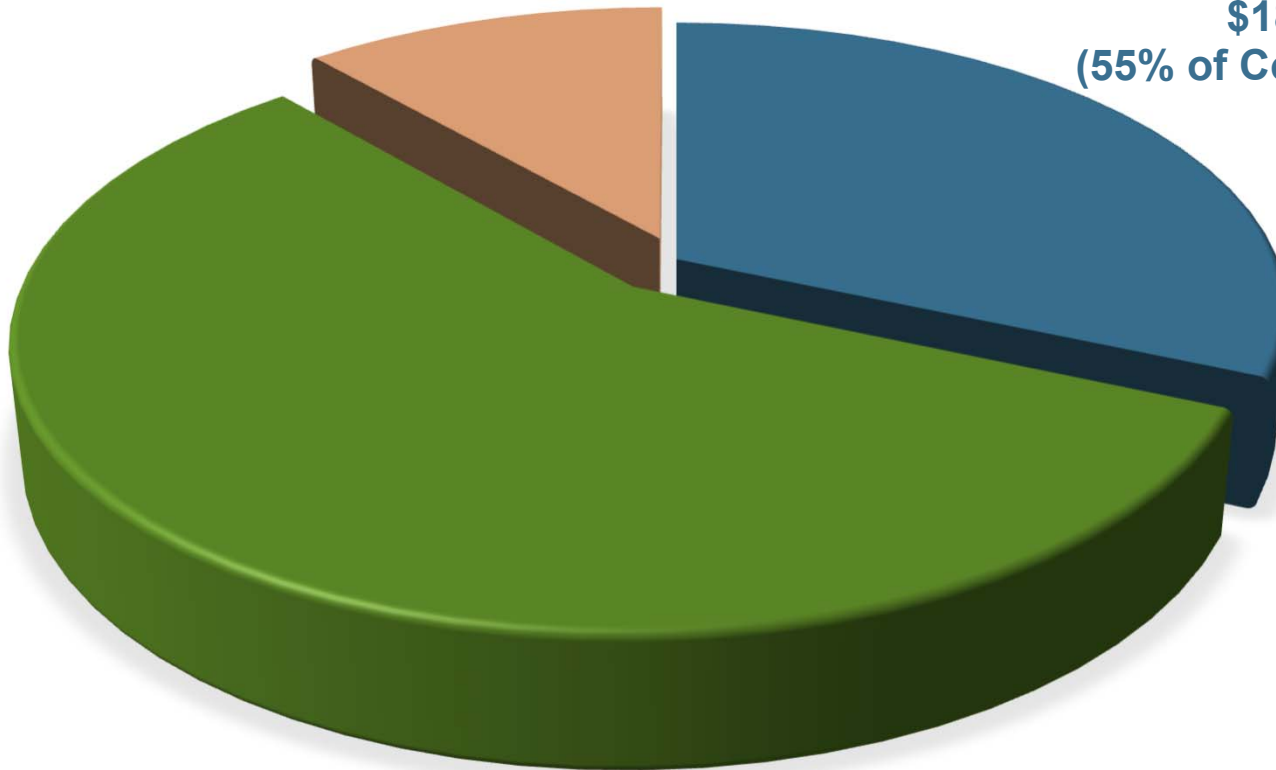
- Scheduled to begin in November 2020 with substantial completion by June 2024

# Project Cost Summary

**TOTAL PROJECT COST: \$58.3M**

**Construction Contingency \$6.6M**  
**(20% of Construction)**

**Project Delivery \$18.4M**  
**(55% of Construction)**

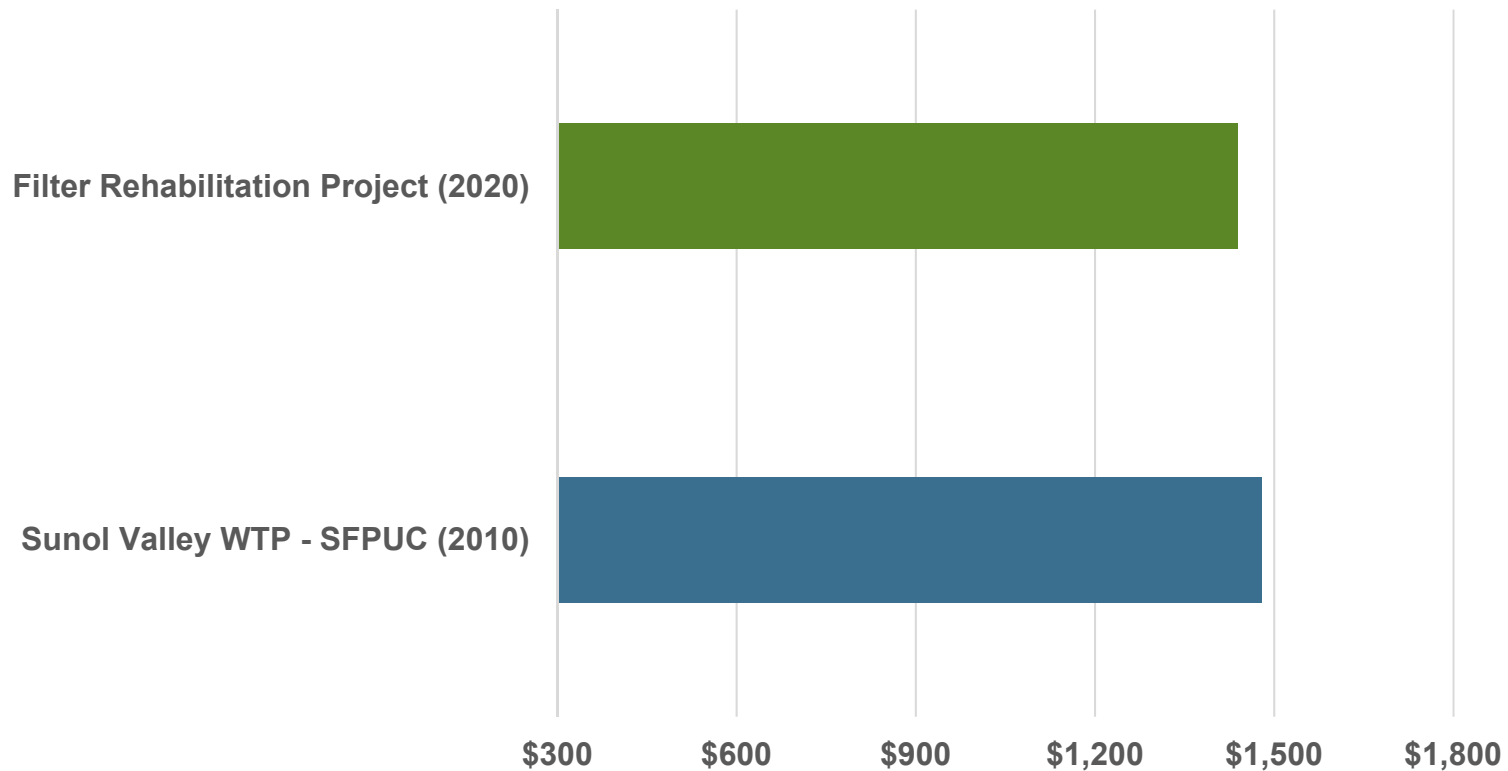


**Construction \$33.3M**



# Benchmarking Against Other Bay Area Projects

Filtration System Rehabilitation Cost per Filter (In Thousands)  
(2020 Prices)



# Recommendation

- Report on bids and award of construction contract for 7448 – Filter Rehabilitation Project to the low bidder, Walsh Construction Company, LLC, for base bid and Add Alternate No. 3, in the amount of \$33,290,577, and approve a 20 percent construction contingency in the amount of \$6,658,000.