



Sunnyvale

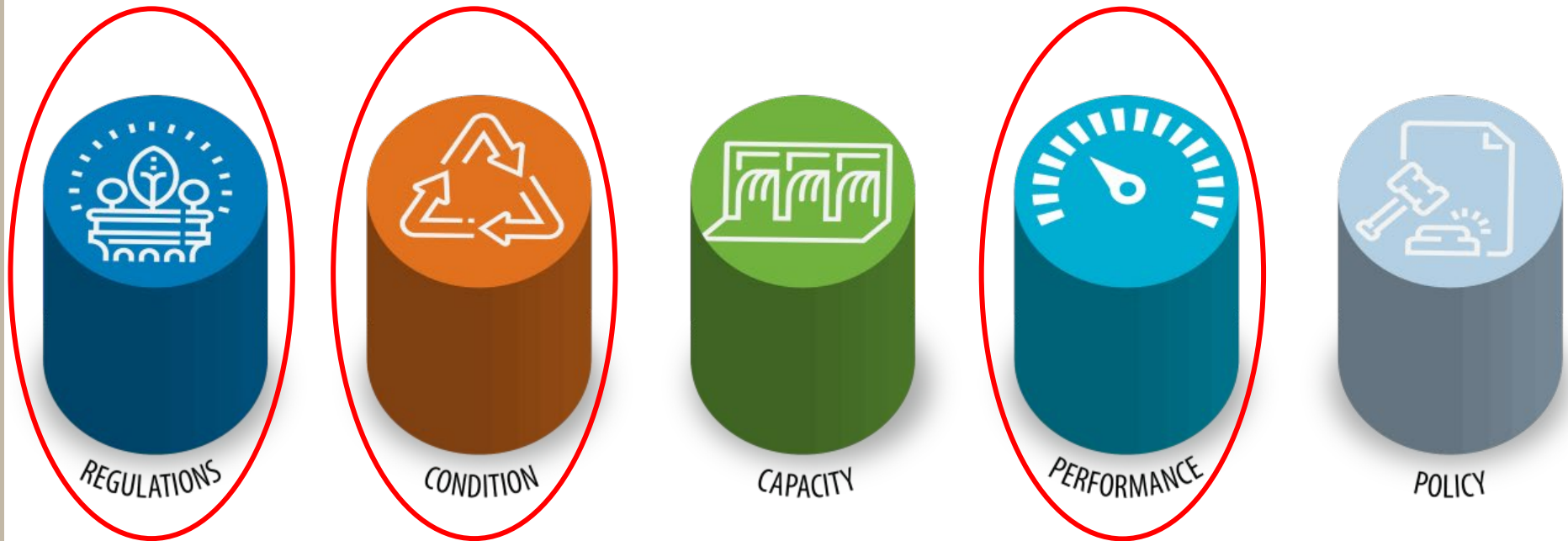
Sunnyvale Cleanwater Program:

Secondary Treatment, Thickening and
Dewatering Bid Award

CITY COUNCIL MEETING
November 1, 2022



Project Drivers



Challenges with Existing Secondary Treatment System

- Ability to meet future Nitrogen limits.
- Aging Pond Infrastructure.
- Pond Solids Management.
- Deteriorating Pond Levees.



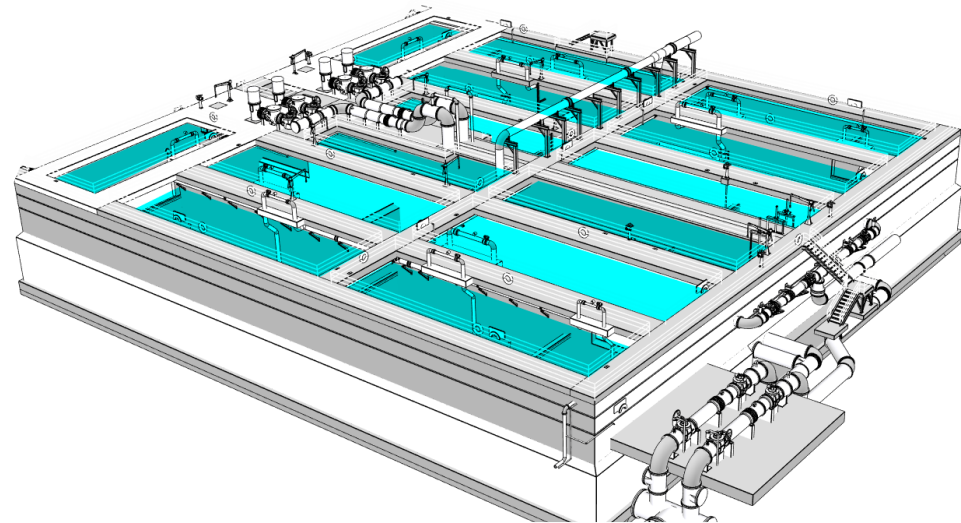
Challenges with Existing Secondary Treatment System

- Pond System becoming more unreliable
- Permit Compliance - TSS/Turbidity Limits
- Chemical Management - Polymer Usage & Cost
- Recycled Water Production

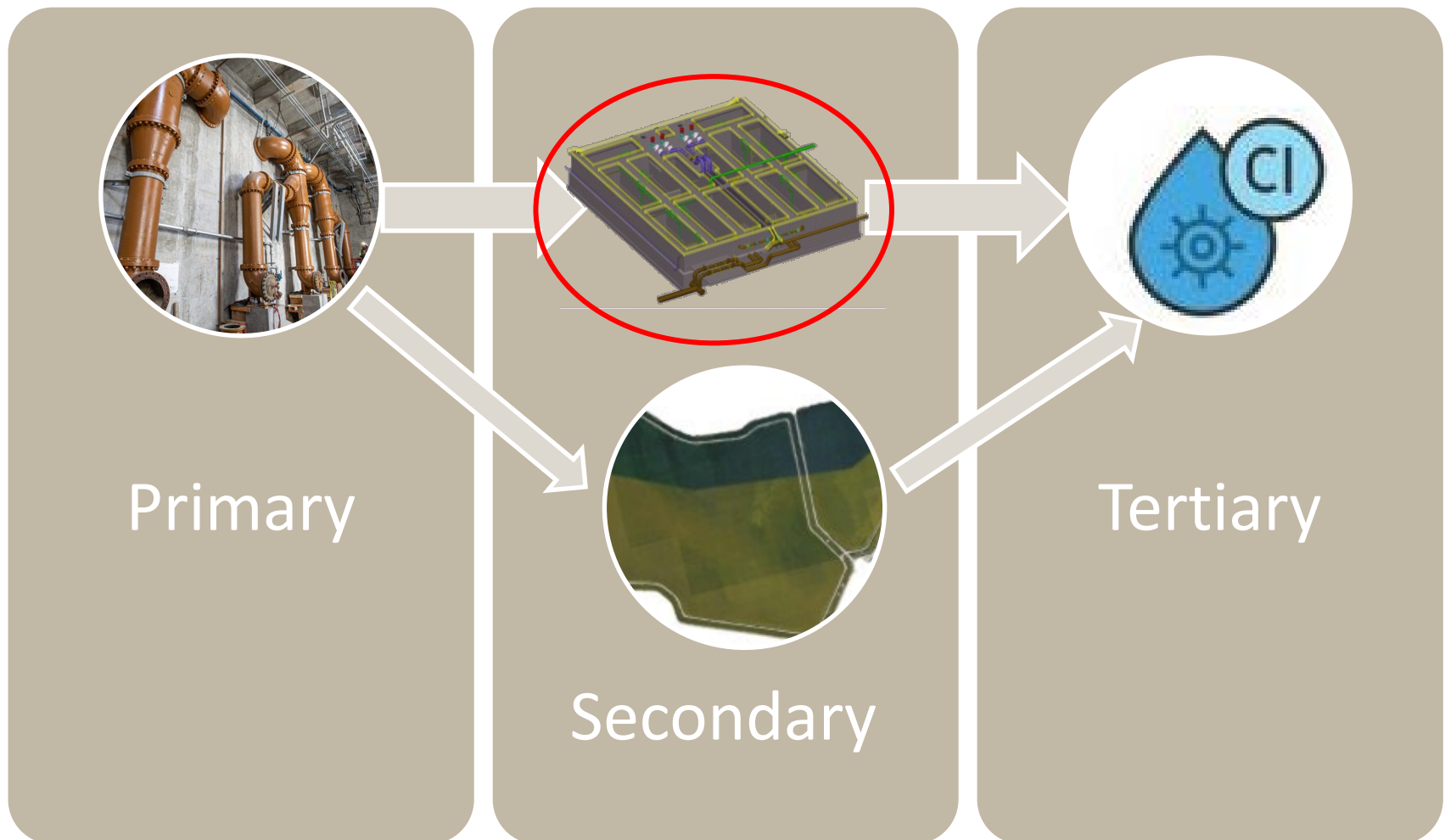


Advantages of Conventional Activated Sludge System

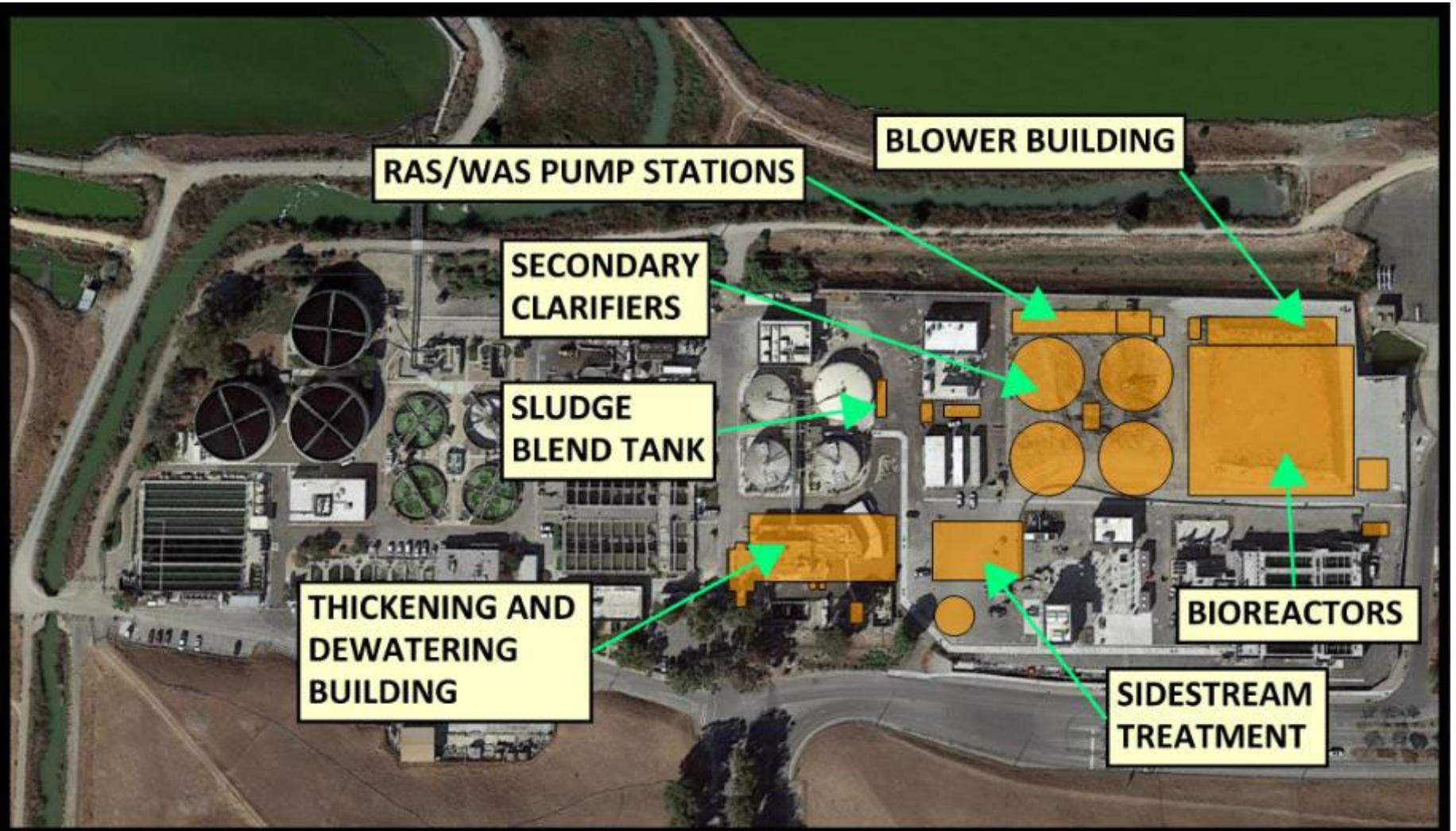
- Removes more nutrients and other material.
- Performance is reliable and consistent year-round.
- Enables high-quality recycled water production.
- Modular; more practical to maintain.
- Can be expanded, upgraded, and optimized later.



Solution: Split Flow

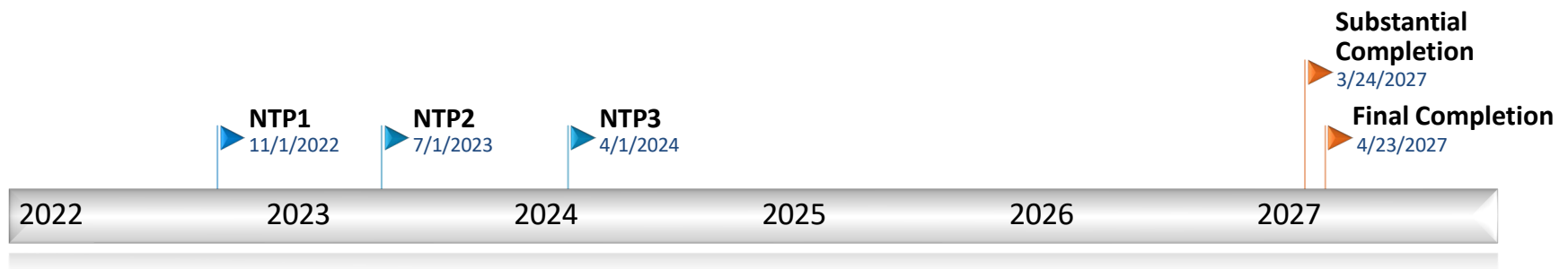


Project Elements



Project Schedule

- NTP1 Submittals, supplemental site investigation
- NTP2 Most construction
- NTP3 Thickening | Dewatering Building and surrounding area



Bid Results

Bids Opened August 24, 2022

Three Bids Received:

Walsh Construction
Company (\$277,872,751)

Kiewit Infrastructure
West Co. (\$301,058,810)

Flatiron West
(\$358,852,015)



Bid Award

Recommended Award of Bid for Secondary Treatment, Thickening and Dewatering Project

Bid Total \$277,872,751

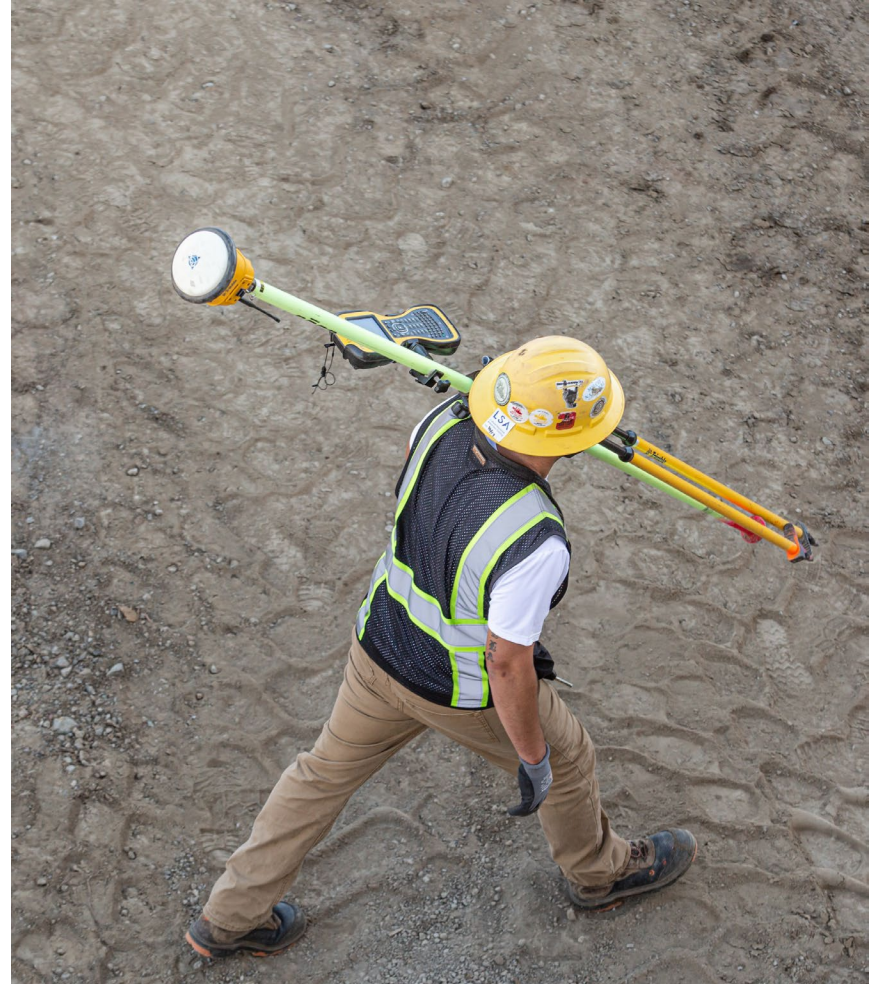
7% Contingency \$ 19,451,093



Engineering Services During Construction (ESDC) Amendment

Carollo Engineers

- Increase ESDC existing contract by \$6,889,452
- 10% contingency of \$688,945



Construction Management (CM) Amendment

Psomas

- Increase existing CM contract by \$16,650,467
- 10% contingency of \$1,665,046



Mobile Modular Lease Agreement

- Execute the Mobile Modular Lease Agreement for payment of \$368,583



Program Environmental Impact Report

- Accept CEQA addendum to previously certified Program Environmental Impact Report



Funding Sources

- Low Interest Loans
 - ◆ Federal EPA Water Infrastructure Financing and Innovation Act (WIFIA) - \$220.6 M @ 1.56%
 - ◆ California Clean Water State Revolving Fund Loan (CWSRF) - \$301 M @ 1.6%
- Funded by Wastewater Rates
- Current rates projected at 3% to 4% per year
- Revised rates will be 2% to 6% per year higher for 3-6 years to address cost escalation

Budget Modification No. 5

- Project will spend over multiple years
- Budget Modification addresses total twenty-year Budget
- Detailed allocation to be included in FY 2023/24 Recommended Budget

	Current	Increase	Revised
Project 833210 - Secondary Treatment	\$274,259,178	\$64,902,241	\$339,161,419
831470 - Construction Management	\$35,566,001	\$18,315,514	\$53,881,515

Staff Recommendation

- Award the Construction Contract to Walsh Construction Company
- Approve a 7% Construction Contingency
- Amend Contract for Engineering Services During Construction (ESDC) with Carollo Engineers
- Approve a 10% ESDC Contingency
- Amend Contract for Construction Management (CM) with Psomas
- Approve a 10% CM Contingency
- Accept the addendum to the previously certified Program Environmental Impact Report for the Sunnyvale Water Pollution Control Plant Master Plan
- Execute the Mobile Modular Lease Agreement
- Approve Budget Modification





Sunnyvale

QUESTIONS?

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