



Long Range Facilities Plan

Procurement Open House



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www.svcw.org

Introduction to SVCW



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50 years of SVCW

WE LEAD. WE PROTECT. WE INNOVATE.

Established in 1975, Silicon Valley Clean Water (SVCW) is a Joint Powers Authority providing reliable, sustainable wastewater treatment services that protect public health, the environment, and the San Francisco Bay while transforming waste into valuable resources for regional benefit.

~300,000

Peninsula residents we serve: Belmont, San Carlos, Redwood City, West Bay Sanitary District

24/7

Advanced Wastewater Treatment
45-acre facility Redwood City, CA
~100 employees

Our Mission

Silicon Valley Clean Water employees proudly serve the Peninsula communities of Belmont, San Carlos, Redwood City, and residents in the West Bay Sanitary District, by providing cost efficient, safe, reliable, advanced wastewater treatment that protects public health, the environment, and the San Francisco Bay while recovering wastewater's valuable energy and natural resources for regional benefit.

Our Vision

To be the Peninsula's trusted partner and an industry leader in environmental stewardship, transforming wastewater into resources that benefit our communities, and protecting the Bay for future generations through a focus on quality, innovation, and efficiency.

70%

Energy from biogas and renewables

\$0.72

Cost per resident per day

#1

Only Peninsula facility accepting food waste

Aa2/A+

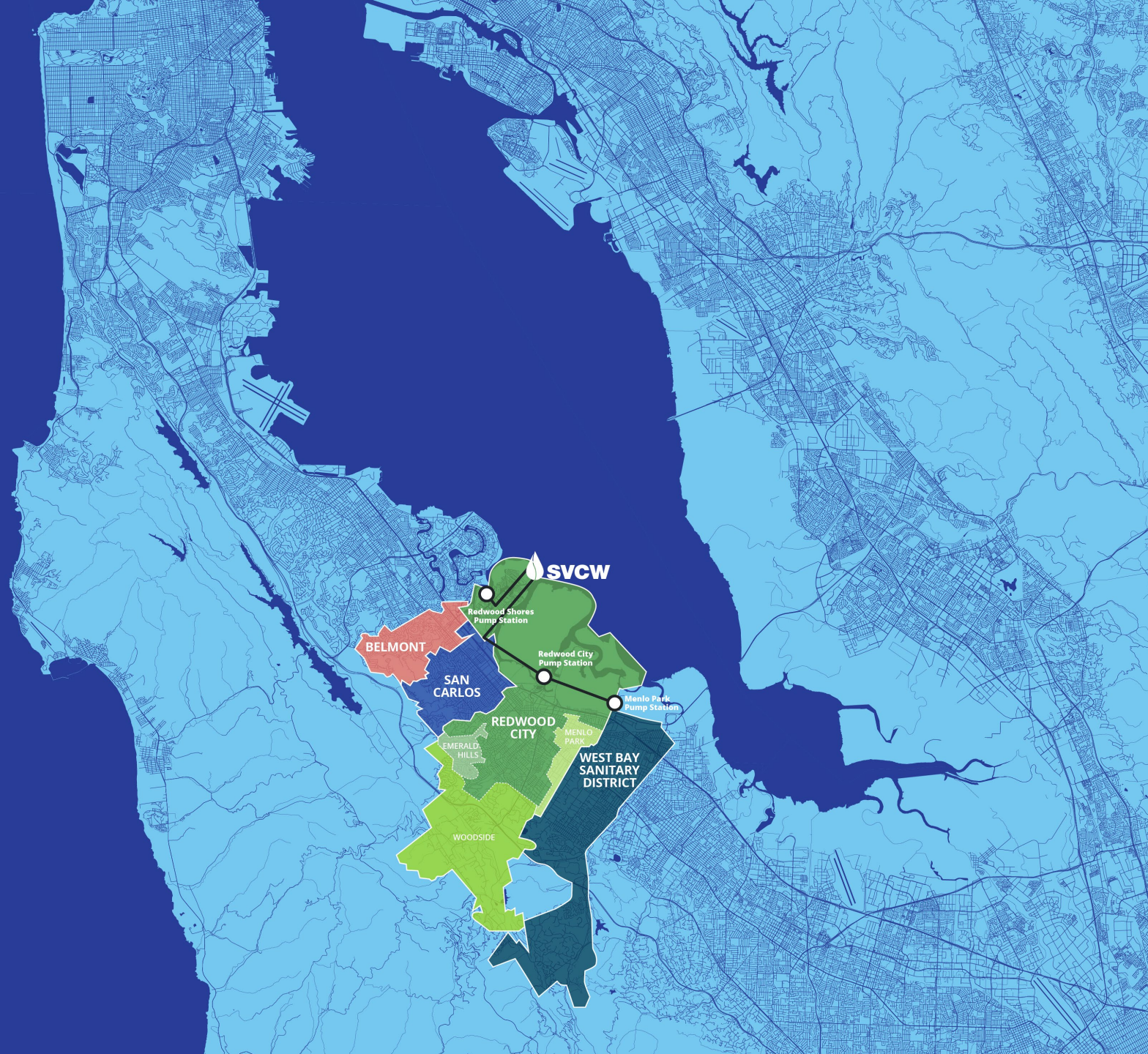
Credit ratings from Moody's and S&P Global Ratings



Silicon Valley Clean Water

Service Area:

- Belmont
- San Carlos
- Redwood City
- West Bay Sanitary District



Treatment Process Overview

- (A) Front of Plant (Headworks)
- (B) Primary Clarifiers
- (C) Fixed Film Reactors
- (D) Aeration Basins
- (E) Secondary Clarifiers
- (F) Dual Media Filters
- (G) Chlorine Contact Tanks (below ground)
- (H) Rotary Drum Thickeners
- (I) Digesters
- (J) Solids/Dewatering Building
- (K) BioForceTech Dryers
- (L) Drying Beds
- (M) Administration Building



Planning for the next 50 years...

Long-Range Facilities Plan (LRFP)

50-year horizon for capital planning

Upcoming Challenges:

- Aging infrastructure
- Regulatory – Nutrients, PFAS, Microplastics, CECs
- Future Growth in Flows and Loads
- Biosolids
- Site and Space Planning – Campus Development
- Water Reuse



LRFP Purpose and Drivers

SVCW's roadmap to ensure long-term reliability, regulatory compliance, and fiscal stewardship while supporting community and environmental goals.



STRATEGIC DRIVERS FOR LONG RANGE FACILITY PLAN



Regulatory Evolution

Nutrients, PFAS, biosolids, air quality, climate, safety, IT, and more



Aging Infrastructure

R&R needs across structures, equipment, and systems



Population & Economic Growth

More flow, higher loads, and changing industrial contributions



Sustainability & Resilience

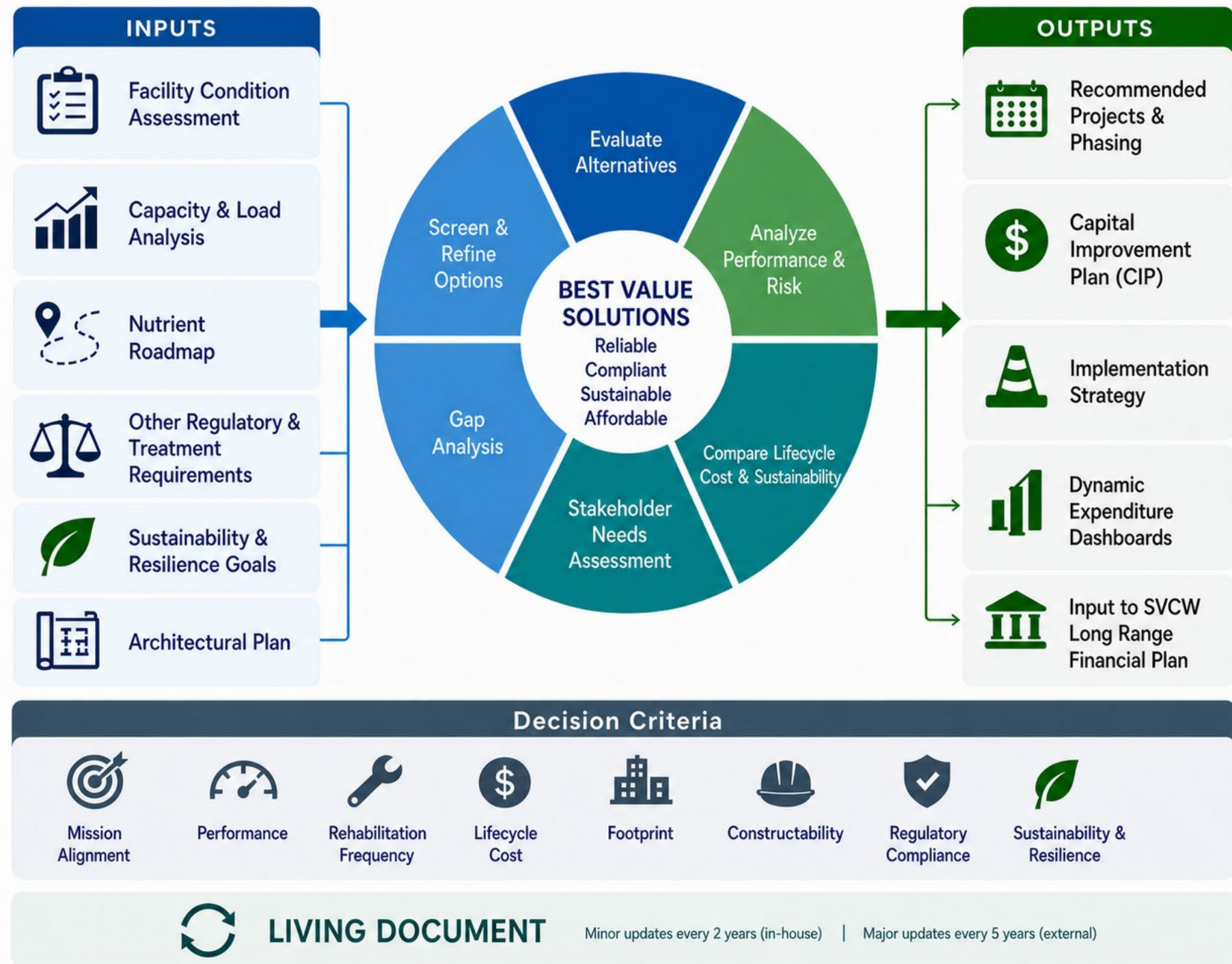
Energy, carbon, water reuse, and climate adaptation



Stakeholder & Community Priorities

Deliver transparency to JPA members, regulators, and the community

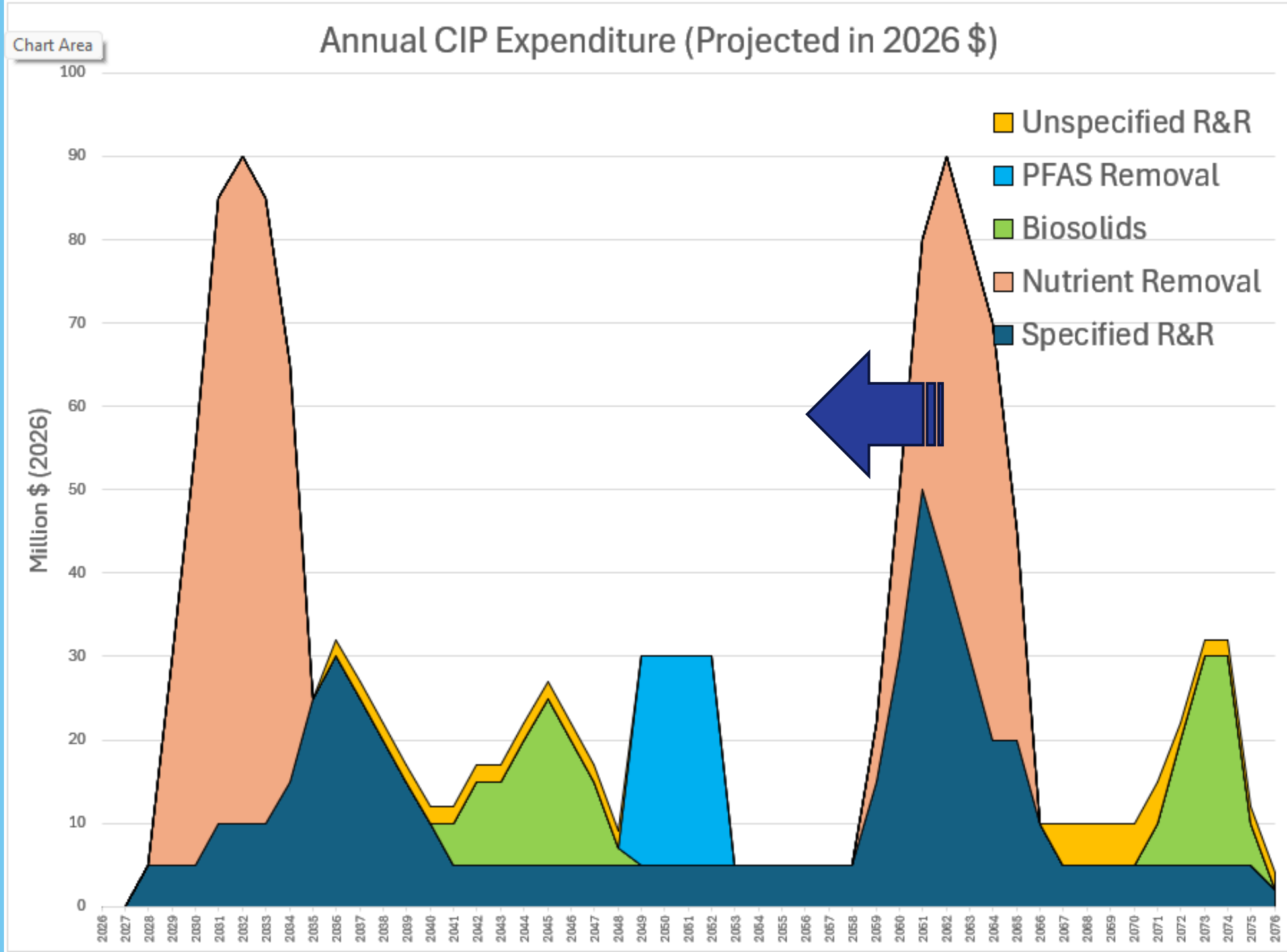
LRFP Framework



Dynamic CIP Expenditures Dashboard Example

(SVCW uses Power BI)

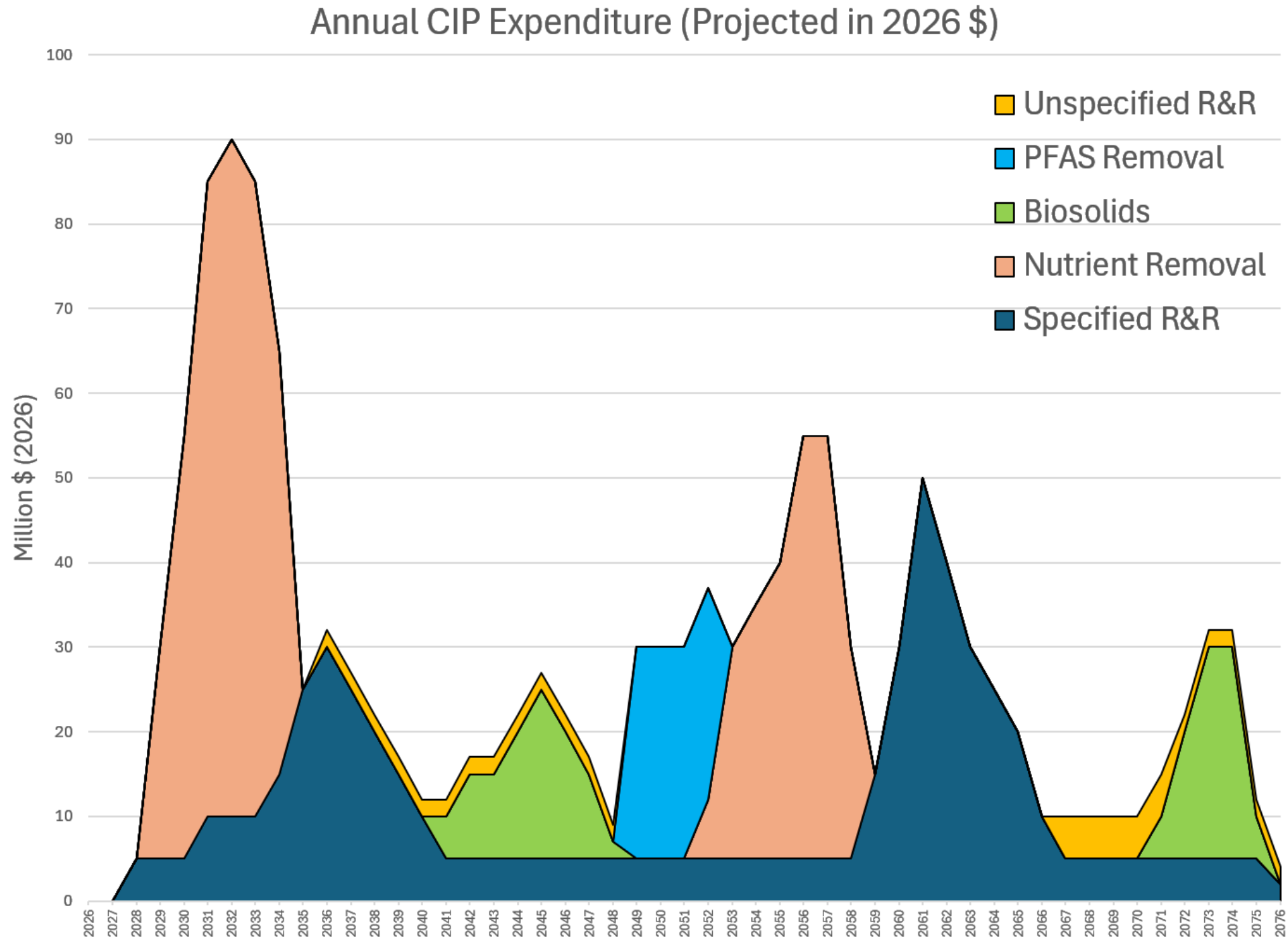
Before



Dynamic CIP Expenditures Dashboard Example

(SVCW uses
Power BI)

After



General Scope

- Provide defensible long-term capital investment framework
 - Integrate existing pre-cursor efforts:
 - Facility Condition Assessment,
 - Capacity Analysis,
 - Architectural Planning,
 - Nutrient Roadmap (STAR)
 - Identify other Regulatory & Treatment Requirements
 - Engage internal and JPA stakeholders; assess needs
 - Evaluate Alternatives for non-nutrient removal projects (Biosolids etc.)
- Prepare a Campus Development Strategy for workforce and O&M needs
 - Prepare **sufficiently accurate** cost estimates with probability-based risk profiles
 - Prepare a Capital Improvement Plan (CIP)
 - Prepare Implementation Strategy for CIP (packaging, phasing)
 - Build dynamic dashboards for FY annual capital expenditure
 - Provide input to SVCW Long-Range Financial Plan model



Scope exclusions

Program Management Services not needed.

Owner Advisor Services not needed.

SVCW will prepare Long Range Financial Model and will seek financing in-house.

PureWater Peninsula Projects will not be funded by CIP.



Procurement Timeline

2 step procurement – RFQ/RFP

December 2026 target for SVCW Commission award

1:1 meetings week of July 27, if requested



Key Consultant Selection Criteria

Technical expertise with proven experience in developing LRFPs

Clear, structured planning process aligned with SVCW's integrated framework

Ability to translate technical recommendations into capital improvement and financial planning strategies

Ability to provide sufficiently accurate cost estimates incorporating probabilistic profiles

Team qualifications with proven track record of delivering complex planning projects

Ability to prepare tools to communicate results clearly to stakeholders



Additional Notes

- **Duration of effort:** January 2027 – January 2028 (1 year)
- **Budget:** Anticipated below \$2M
- No preclusion from future projects (except in case of Government Code section 1090 conflicts).
- 1:1 Meetings can be scheduled with SVCW in week of July 27 – July 31 between 1 PM and 3 PM

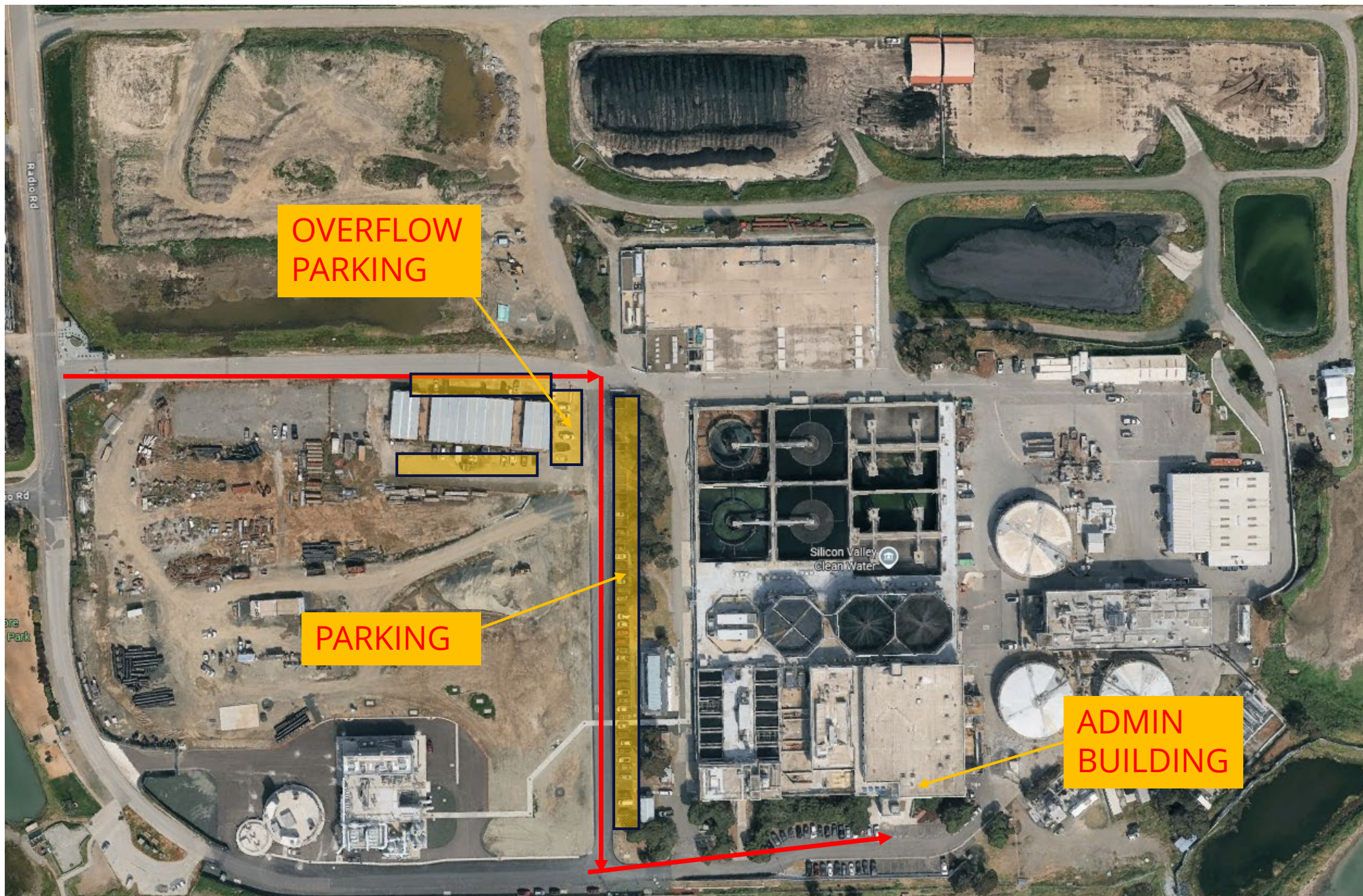




Sign-Up sheet and slides will be made
available on
<https://svcw.org/what-we-do/bids/>

Questions?

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OVERFLOW
PARKING

PARKING

ADMIN
BUILDING