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Lynda May, Assistant Secretary
SOCWA and the Board of Directors thereof

*Regular Meeting of The
South Orange County Wastewater Authority
Board of Directors*

February 5, 2026
8:30 a.m.

PHYSICAL MEETING LOCATION:
South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point, CA 92629

THE BOARD OF DIRECTORS MEETING ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5400 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST SUCH ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. MEMBERS OF THE PUBLIC HAVE THE OPTION TO PARTICIPATE IN AND MAY JOIN THE MEETING REMOTELY VIA VIDEO CONFERENCE FOR VISUAL INFORMATION ONLY (USE ZOOM LINK BELOW) AND BY TELECONFERENCE FOR AUDIO PARTICIPATION (USE PHONE NUMBERS BELOW). THIS IS A PHONE-CALL MEETING AND NOT A WEB-CAST MEETING, SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT WWW.SOCWA.COM. ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. FOR PARTIES PARTICIPATING REMOTELY, PUBLIC COMMENTS WILL BE TAKEN DURING THE MEETING FOR ORAL COMMUNICATION IN ADDITION TO PUBLIC COMMENTS RECEIVED BY PARTIES PARTICIPATING IN PERSON. COMMENTS MAY BE SUBMITTED PRIOR TO THE MEETING VIA EMAIL TO ASSISTANT SECRETARY LYNDA MAY AT LMAY@SOCWA.COM WITH THE SUBJECT LINE "REQUEST TO PROVIDE PUBLIC COMMENT." IN THE EMAIL, PLEASE INCLUDE YOUR NAME, THE ITEM YOU WISH TO SPEAK ABOUT, AND THE TELEPHONE NUMBER YOU WILL BE CALLING FROM SO THAT THE COORDINATOR CAN UN-MUTE YOUR LINE WHEN YOU ARE CALLED UPON TO SPEAK. THOSE MAKING PUBLIC COMMENT REQUESTS REMOTELY VIA TELEPHONE IN REAL-TIME WILL BE ASKED TO PROVIDE YOUR NAME, THE ITEM YOU WISH TO SPEAK ABOUT, AND THE TELEPHONE NUMBER THAT YOU ARE CALLING FROM SO THE COORDINATOR CAN UNMUTE YOUR LINE WHEN YOU ARE CALLED UPON TO SPEAK. ONCE THE MEETING HAS COMMENCED, THE CHAIR WILL INVITE YOU TO SPEAK AND ASK THE COORDINATOR TO UNMUTE YOUR LINE AT THE APPROPRIATE TIME.

AGENDA ATTACHMENTS AND OTHER WRITINGS THAT ARE DISCLOSABLE PUBLIC RECORDS DISTRIBUTED TO ALL, OR A MAJORITY OF, THE MEMBERS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE BOARD OF DIRECTORS ARE AVAILABLE FOR PUBLIC INSPECTION IN THE AUTHORITY ADMINISTRATIVE OFFICE LOCATED AT 34156 DEL OBISPO STREET, DANA POINT, CA ("AUTHORITY OFFICE") OR BY PHONE REQUEST MADE TO THE AUTHORITY OFFICE AT 949-234-5400. IF SUCH WRITINGS ARE DISTRIBUTED TO MEMBERS OF THE BOARD OF DIRECTORS LESS THAN SEVENTY-TWO (72) HOURS PRIOR TO THE MEETING, THEY WILL BE AVAILABLE IN THE RECEPTION AREA OF THE AUTHORITY OFFICE AT THE SAME TIME AS THEY ARE DISTRIBUTED TO THE BOARD OF DIRECTORS AND SENT TO ANY REMOTE PARTICIPANTS REQUESTING EMAIL DELIVERY OR POSTED ON SOCWA'S WEBSITE. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE MEETING ROOM OR IMMEDIATELY UPON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES PARTICIPATING REMOTELY.

THE PUBLIC MAY PARTICIPATE REMOTELY BY VIRTUAL MEANS. FOR AUDIO OF MEETING USE THE CALL IN PHONE NUMBERS BELOW AND FOR VIDEO USE THE ZOOM LINK BELOW.

Join Zoom Meeting
<https://socwa.zoom.us/>

Meeting ID: 864 8710 6761
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Agenda

- 1. CALL TO ORDER
- 2. PLEDGE OF ALLEGIANCE
- 3. ORAL COMMUNICATIONS

Members of the public may address the Board regarding an item on the agenda or may reserve this opportunity during the meeting at the time the item is discussed by the Board. There will be a three-minute limit for public comments.

- 4. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

ACTION Board Discussion/Direction and Action.

PAGE NO.

- 5. CONSENT CALENDAR

A. Minutes of Board of Directors.....	1
• Board of Directors Regular Meeting of January 8, 2026	
ACTION The Board will be requested to approve the subject Minutes.	
B. Minutes of Engineering Committee.....	5
• Engineering Committee Meeting of November 13, 2025	
ACTION The Board will be requested to receive and file the subject Minutes.	
C. Minutes of Finance Committee.....	9
• Finance Committee Meeting of November 18, 2025	
ACTION The Board will be requested to receive and file the subject Minutes.	
D. Minutes of the Executive Committee.....	12
• Executive Committee Meeting of January 27, 2026	
ACTION The Board will be requested to receive and file the subject Minutes.	
E. December 2025 Operations Report.....	14
1. Monthly Operational Report	
2. SOCWA Ocean Outfall Discharges by Agency	
3. Fiscal Year Report on Key Operational Expenses	
4. Beach Ocean Monitoring Report	
5. Recycled Water Report	
6. Pretreatment Report (January)	

Agenda

ACTION The Board will be requested to receive and file subject reports as submitted.

F. Capital Improvement Construction Projects Progress and Change Order Report (December) [Project Committees 2 and 15]..... 66

ACTION Information Item.

6. ENGINEERING MATTERS

A. Contract Award for Coastal Treatment Plant Personnel Building Phase 2 Upgrades [Project Committee 15]..... 80

ACTION Staff recommends that the PC 15 Board Directors:

1. Authorize execution of a construction contract with T.E. Roberts in the amount of \$649,848.00.
2. Approve a contract contingency of \$97,500 to address any unforeseen conditions encountered during the work.

B. ETM Reach B Techite Pipe Replacement Final Design [Project Committee 21] 85

ACTION Staff recommends that the PC 21 Board Directors:

1. Authorize execution of a final design contract with BKF in the amount of \$517,713.
2. Approve a contract contingency of \$51,771, for a total project authorization of \$569,484 to address any unforeseen conditions and optional tasks if needed during the work.

7. GENERAL MANAGER'S REPORT

A. CSRMA Pooled Liability Program Renewal 100

ACTION Information Item.

B. Budget Assumptions and Schedule 101

ACTION Board Discussion/Direction and Action.

C. General Manager's Report 104

ACTION Information Item.

D. General Counsel's Report..... 121

Resolution No. 2026-1: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Optional Teleconferencing, Remote Participation By Board Members, And Virtual Meetings Of Committees Pursuant To Government Code Sections 54953.8.7 And 54953.8.6 (Senate Bill 707)

South Orange County Wastewater Authority
Board of Directors Meeting
February 5, 2026

Agenda

ACTION Staff recommends that the Board of Directors approve Resolution No. 2026-1: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Optional Teleconferencing, Remote Participation By Board Members, And Virtual Meetings Of Committees Pursuant To Government Code Sections 54953.8.7 And 54953.8.6 (Senate Bill 707).

E. Cost Allocation Policy 125

ACTION Board Discussion/Direction and Action.

F. Upcoming Meetings Schedule:

- March 5, 2026 – Board of Directors Regular Meeting
- February 12, 2026 – Engineering Committee Meeting
- February 17, 2026 – Finance Committee Meeting

ACTION Information Item.

8. CLOSED SESSION

- A. Closed Session Conference Pursuant to Government Code § 54957(b)(1)
Public Employment
Title: General Counsel

- B. Closed Session Conference Pursuant to Government Code § 54957(b)(1)
Public Employment
Title: General Manager

Report out of Closed Session

9. OTHER MATTERS

Determine the need to take action on the following item(s) introduced by the General Manager, which arose after the posted agenda. [Adoption of this action requires a two-thirds vote of the Board, or if less than two-thirds are present, a unanimous vote.]

10. ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
March 5, 2026

**MINUTES OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
Board of Directors**

January 8, 2026

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors was held in person and via teleconference on January 8, 2026, at 8:30 a.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

KATHRYN FRESHLEY	El Toro Water District	Director
BOB WHALEN	City of Laguna Beach	Director
SCOTT GOLDMAN	South Coast Water District	Director
FRANK URY	Santa Margarita Water District	Director
MIKE DUNBAR	Emerald Bay Service District	Director
DAVE REBENS DORF	City of San Clemente	Director

Staff Present:

AMBER BOONE	General Manager
RONI GRANT	Capital Improvement Program Manager
JIM BURROR	Deputy GM/ Chief Engineer
DINA ASH	Human Resources Administrator
LYNDA MAY	Assistant Secretary
ANNA SUTHERLAND	Staff Accountant
JACK BECK	Accountant
MATT CLARKE	Chief Technology Officer
CALEB WHEATLEY	Chief Operator
JAMES JONES	Superintendent of O&M

Also Present:

ADRIANA OCHOA	Snell & Wilmer
KARI VOZENILEK	Kidman Law, LLP
DUSTIN BURNSIDE	City of San Clemente
MATT COLLINGS	Moulton Niguel Water District
JENNIFER LOPEZ	South Coast Water District
RICK SHINTAKU	South Coast Water District
ERICA CASTILLO	South Coast Water District
JOE MUELLER	South Coast Water District
SANDRA HUANG	South Coast Water District
MARC SERNA	South Coast Water District

1. CALL TO ORDER

Director Frank Ury called the meeting to order at 8:30 a.m.

2. PLEDGE OF ALLEGIANCE – Director Frank Ury

3. ORAL COMMUNICATIONS

None.

4. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

None.

5. CONSENT CALENDAR

Director Whalen pulled Item 5.A for a correction, then Items 5.B and 5.C to take to the Finance Committee before bringing back to the Board of Directors.

ACTION TAKEN

A motion was made by Director Whalen and seconded by Director Dunbar to approve the remainder of the Consent Calendar .

Motion carried: Aye 6 Nay 0, Abstained 0, Absent 0
Director Dunbar Aye
Director Freshley Aye
Director Whalen Aye
Director Ury Aye
Director Goldman Aye
Director Rebensdorf Aye

(5D-5E)

- D. November 2025 Operations Report
Approved Action: Information Item; received and filed.
- E. Capital Improvement Construction Projects Progress and Change Order Report (December) [Project Committees 2 and 15]
Approved Action: Information Item.

Director Whalen pulled Item 5.A to fix and approve a typo in the December Board of Directors Meeting Minutes.

ACTION TAKEN

A motion was made by Director Whalen and seconded by Director Ury to approve the amendments for item 5.A.

Motion carried: Aye 6 Nay 0, Abstained 0, Absent 0
Director Dunbar Aye
Director Freshley Aye
Director Whalen Aye
Director Ury Aye
Director Goldman Aye
Director Rebensdorf Aye

6. ENGINEERING MATTERS

- A. JBL Facility Planning Assessment Contract Award
[Project Committee 2]

A brief discussion ensued on the expanded scope of work incorporating findings from the CTP Flow Study, leading to an additional contingency of 10% to cover the contract amendment.

ACTION TAKEN

A motion was made by Director Goldman and seconded by Director Ury to authorize Amendment No.1 in the amount of \$49,336 to reflect the added scope item.

Motion carried: Aye 2 Nay 0, Abstained 0, Absent 0
Director Ury Aye
Director Goldman Aye

7. GENERAL MANAGER'S REPORT

A. Engineering Cost Estimate

A discussion opened regarding how the proposed tools and systems could help obtain better estimates. Director Ury inquired if there is a need for this, or if the issue is a legal or disciplinary matter with the engineering teams. Ms. Grant stated she will reach out to contractors that have worked with SOCWA and review their cost estimating process. Director Whalen suggested a summary of steps to present to the board to avoid an underestimate.

This was an information item; no action was taken.

C. Cost Allocation Policy

A review of the policy ensued focusing on the voting thresholds for cost allocations and adding items to the general budget. Ms Ochoa reviewed voting requirements and Public Relations funding. Ms. Ochoa stated a Public Relations contract may be funded or co-funded through member agency partnerships, with expenses being allocated on a case-by-case basis. Director Ury and Director Whalen discussed bringing any Public Relations items to the board first to discuss and vote on, before delegating it to a specific PC to vote on.

This was an information item; no action was taken.

B. PC2 Orbis Public Affairs Contract

This item was tabled due to Item 7.C. pending finalization.

D. Transfer Price MOU Forward-Thinking Services Model Review

A general discussion ensued on the plans outlined and concerns related to resources and costs were addressed. Ms. Boone discussed revenue opportunities with the central innovation hub, such as grants and expanded services. The board gave additional feedback on the potential benefits, but also the need to keep the higher priority on the larger, immediate projects.

This was an information item; no action was taken.

E. AB 643 Support

A brief discussion ensued on the broad level support of AB 634's strategy for organic management and opening the market up for bio solids products.

ACTION TAKEN

A motion was made by Director Whalen and seconded by Director Rebensdorf to approve the AB 643 letter of support.

Motion carried:	Aye 6	Nay 0,	Abstained 0,	Absent 0
	Director Dunbar		Aye	
	Director Freshley		Aye	
	Director Whalen		Aye	
	Director Ury		Aye	
	Director Goldman		Aye	
	Director Rebensdorf		Aye	

F. General Manager’s Report

A discussion ensued on the presented master planning schedule with Directory Ury stating the need for a proper tracking application. Director Dunbar commented on the contract authorization dates needing to reflect the board meeting dates. Ms. Boone updated on the SJCOO Settlement offer and noted how the exceedance was a small anomaly and follow up tests were within the limits.

G. Closed Session

A Closed Session Conference was held for the Public Employee Appointment Pursuant to Government Code § 54957(b)(1)
Title: General Counsel

The Board of Directors reconvened to Open Session at 10:21am. Chairman Ury stated there were no reportable actions from the Closed Session.

H. Upcoming Meetings Schedule:

- January 20, 2026 – Finance Committee Meeting
- January 22, 2026 – Engineering Committee Meeting
- February 5, 2026 – Board of Directors Regular Meeting

This was an information item; no actions were taken.

9. OTHER MATTERS

None.

10. ADJOURNMENT

There being no further business, Director Ury adjourned the meeting at 10:23 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Board of Directors on January 8, 2026, and approved by the Board of Directors of the South Orange County Wastewater Authority.

Lynda May, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**MINUTES OF REGULAR MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

Engineering Committee

DRAFT

November 13, 2025

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee was held on November 13, 2025, at 8:30 a.m. in-person and via teleconferencing from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Engineering Committee were present:

MIKE DUNBAR	Emerald Bay Service District
HANNAH FORD	El Toro Water District [Zoom]
ROBERT GRANTHAM	Santa Margarita Water District
MARC SERNA	South Coast Water District

Absent:

DAVE REBENS DORF	City of San Clemente
MARK MCAVOY	City of Laguna Beach

Staff Present:

AMBER BOONE	General Manager
RONI GRANT	Capital Improvement Program (CIP) Manager
JIM BURROR	Deputy GM/Chief Engineer
ANNA SUTHERLAND	Staff Accountant
MATT CLARKE	Chief Technology Officer
LYNDA MAY	Administrative Assistant/Assistant Secretary

Also Present:

MARK TRESTIK	City of Laguna Beach
SANDRA HUANG	South Coast Water District
CHRIS NEWTON	South Coast Water District

1. Call Meeting to Order

Ms. Roni Grant, Capital Improvement Program (CIP) Manager, called the meeting to order at 8:34 a.m.

2. Public Comments

None.

3. Approval of Committee Member Request for Remote Participation (Standing Item)

Ms. Hannah Ford participated via Zoom.

4. JBL Facility Planning Assessment Contract Award [Project Committee 2]

ACTION TAKEN

A motion was made by Mr. Grantham and seconded by Mr. Serna to 1) Authorize execution of a contract with HDR in the amount of \$545,325 for the JBL FPA contract, 2) Approve a contract contingency of \$54,675, to cover the additional scope item, and 3) Approve the 10 percent increase to the contingency to cover the regional flow study.

Motion carried: Aye 2, Nay 0, Abstained 0, Absent 0
Mr. Grantham Aye
Ms. Serna Aye

5. JBL Old Effluent Pump Station Storage and Staging Area Construction Contract [Project Committee 2]

An open discussion ensued regarding the needs for space, with an emphasis on safety compliance and ability to expedite future projects.

ACTION TAKEN

A motion was made by Mr. Serna and seconded by Mr. Grantham to 1) approve an increase of \$600,000 to the project budget, resulting in a revised total project budget of \$850,000, 2) authorize execution of a contract with Pacific Hydrotech in the amount of \$791,700 for the JBL Old Effluent Pump Storage and Staging Area project. And 3) approve a construction contingency of \$39,585 to address any unforeseen conditions encountered during the work.

Motion carried: Aye 2, Nay 0, Abstained 0, Absent 0
Mr. Grantham Aye
Mr. Serna Aye

6. Contract Award for Coastal Treatment Plant West Primary and Secondary Scum Skimming System Construction [Project Committee 15]

ACTION TAKEN

A motion was made by Mr. Dunbar and seconded by Mr. Serna to 1) approve an increase of \$500,000 to the project budget, resulting in a revised total project budget of \$1.75 million, 2) Authorize execution of a contract with Filanc in the amount of \$784,000, and 3) approve a construction contingency of \$35,040 to address any unforeseen conditions encountered during the work.

Motion carried: Aye 2, Nay 0, Abstained 0, Absent 1
Mr. Dunbar Aye
Mr. Serna Aye
Mr. McAvoy Absent

7. Contract Award for Coastal Treatment Plant Personnel Building Phase 2 Upgrades [Project Committee 15]

An open discussion ensued regarding the legality of rejecting the public bids and negotiating with a contractor directly. An agreement was made to review this with the legal team. Mr. Serna suggested pushing the project to early 2026 due to the low number of bids, and to pull in more contractors with outreach and packaging the project with future Capital Improvement Projects at CTP.

This agenda item was tabled upon discussion.

8. SOCWA Laboratory Upgrades Feasibility Study Update

An open discussion ensued on the need for a centralized, regional laboratory to support advanced water analysis and infrastructure projects. Ms. Amber Boone reminded the committee that the lease with MNWD's lab still has around 9 years left in regards to the

planning timeline. Mr. Grantham mentioned a potential building location in Mission Viejo. Ms. Ford commented on the possibility this plan may not benefit ETWD and would like a cost structure reflecting this.

This was an information item; no action was taken.

9. Approval of Minutes

- Engineering Committee Minutes of September 11, 2025.

ACTION TAKEN

A motion was made by Mr. Grantham and seconded by Mr. Dunbar to approve the Engineering Committee Minutes for September 11, 2025.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 2
Mr. McAvoy	Absent
Ms. Ford	Aye
Mr. Dunbar	Aye
Mr. Grantham	Aye
Mr. Serna	Aye
Mr. Rebensdorf	Absent

10. General Manager's Status Report

Ms. Amber Boone reported that the PC15 Water Research Proposal was rejected. She also announced the next board meeting will be at the Ocean Institute.

An open discussion ensued on the release of the scope of work for the Coastal Treatment Plant FPA, with a presentation scheduled for the next week. Mr. Dunbar inquired on the timing of the Regional Flow Study in regards to CTP Master Plan Upgrades. Timelines to the FPA and Flow Study were discussed and expedited.

This was an information item; no action was taken.

11. Operations Report

Mr. Jim Burror, Deputy GM/Chief Engineer, reported on the upcoming storm due to have substantial rainfall. Ms. Amber Boone congratulated Mr. Burror on completing the MIT Executive Program for AI and Machine Learning. She also briefed on the progress of his internal projects utilizing these skills, including a new product on environmental hazards.

This was an information item; no action was taken.

12. Capital Improvement Construction Projects Progress and Change Order Report (November) [Project Committees 2 and 15]

Ms. Roni Grant updated the Engineering Committee on the status of the following CIP projects:

- JBL Electrical Upgrades - Pre-purchasing activities for the Motor Control Center (MCC) and Plant 1 Generator are currently underway. Construction is anticipated to be completed by December 2026, contingent upon the issuance of the AQMD permit to construct for the generator.

- JBL Old Effluent Pump Station and Energy Building Upgrades – Construction is currently in progress. Construction is anticipated to be completed by July 2026.
- JBL Plant 2 Headworks Rehabilitation – Construction is currently in progress. Construction is anticipated to be completed by March 2026.
- JBL Old Effluent Pump Station Storage and Staging – The bids are currently under review. Construction is anticipated to be completed by March 2026.
- CTP Aeration Deck Grating Replacement – Construction is near completion. The contractor is working on punch list items. Construction is anticipated to be completed by December 2025.
- CTP West Primary and Secondary Scum Skimming System – The bids are currently under review. Construction is anticipated to be completed by July 2026.
- CTP Personnel Building Phase 2 Reconstruction – The bids are currently under review. Construction is anticipated to be completed by July 2026.
- CTP Grit Tanks Coating Upgrades - Construction is in progress. Construction is anticipated to be completed by December 2025.

This was an information item; no action was taken.

13. Adjournment

There being no further business, Ms. Grant adjourned the meeting at 9:08 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Engineering Committee of November 13, 2025, and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Lynda May, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**MINUTES OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

Finance Committee

DRAFT

September 16, 2025

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee was held on September 16, 2025, at 10:30 a.m. in-person and via teleconference from the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Finance Committee were present:

GAVIN CURRAN	City of Laguna Beach	Alternate Director [arrived @ 10.33 am]
DENNIS CAFFERTY	El Toro Water District	Alternate Director
ERICA CASTILLO	South Coast Water District	Alternate Director
PAUL PENDER	Santa Margarita Water District	Alternate Director

Staff Participation:

AMBER BOONE	General Manager
JIM BURROR	Deputy GM/Chief Engineer
JACK BECK	Accountant
ANNA SUTHERLAND	Staff Accountant
RONI GRANT	Capital Improvement Program Manager
DINA ASH	HR Administrator
MATT CLARKE	Chief Technology Officer
LYNDA MAY	Administrative Assistant
DANITA HIRSH	Executive Assistant/Clerk of the Board

Also Participating:

ADRIANA OCHOA	Snell & Wilmer
KATHRYN FRESHLEY	El Toro Water District
JENNIFER LOPEZ	South Coast Water District
SAUNDER HUANG	South Coast Water District
KELSEY DECASAS	Moulton Niguel Water District

1. Call Meeting to Order

Chairperson Paul Pender called the meeting to order at 10:31 a.m.

2. Public Comments

None.

3. Approval of Committee Member Request for Remote Participation (Standing Item)

None.

4. Approval of Minutes

- Finance Committee Meeting of August 19, 2025.

ACTION TAKEN

A motion was made by Director Castillo and seconded by Director Cafferty to approve the Minutes for August 19, 2025, as submitted.

Motion carried:	Aye 3, Nay 0, Abstained 0, Absent 1
	Director Curran Absent
	Director Cafferty Aye
	Director Pender Aye
	Director Castillo Aye

5. Financial Policies Update

An open discussion ensued regarding revisions, additions, and clarifications to the following SOCWA policies:

- Capitalization and Depreciation of Facilities & Equipment
- Cost Allocation Policy
- Disposal of Surplus Property
- External Auditor Policy; and
- Travel and Expense Reimbursement Policy

The Finance Committee reviewed the Capitalization and Depreciation of Facilities & Equipment and the External Auditor policies and expressed no further comments. They were satisfied with the content as presented.

The Finance Committee reached a consensus to direct staff to incorporate the feedback from the discussion into the remaining policies and return updated versions for the Committee's review at the October meeting.

6. Quarterly Investment Reporting Under Government Code Section 53646

An open discussion ensued regarding the framework for the quarterly reporting of the Local Agency Investment Fund (LAIF).

The Finance Committee reached a consensus to direct staff to incorporate the feedback from the discussion and return with an updated version for the Committee's review at the October meeting.

7. Ocean Institute Partnership Opportunity Funding Strategy

An open discussion ensued on the cost allocations of the proposed partnership with the Ocean Institute to support public outreach and internship opportunities.

ACTION TAKEN

A motion was made by Director Castillo and seconded by Director Curran recommending to the Board of Directors the cost allocation Option 2: Equal Split Among six (6) Board-Represented Agencies.

Motion carried:	Aye 3, Nay 1, Abstained 0, Absent 0
	Director Curran Aye
	Director Cafferty Nay
	Director Pender Aye
	Director Castillo Aye

ACTION TAKEN

A motion was made by Director Castillo and seconded by Director Pender recommending to the Board of Directors the payment structure: Annual Basis (\$10,000/yr for 5 years).

Motion carried:	Aye 3, Nay 0, Abstained 1, Absent 0
	Director Curran Aye
	Director Cafferty Abstained
	Director Pender Aye
	Director Castillo Aye

8. Adjournment

There being no further business, Chairperson Pender adjourned the meeting at 11:43 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Finance Committee of September 16, 2025, and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Lynda May / Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**MINUTES OF SPECIAL MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

DRAFT

Executive Committee

January 27, 2026

11:00 a.m.

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Executive Committee was held on January 27, 2026, at 11:00 a.m. in person at the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Executive Committee were present:

SCOTT GOLDMAN	South Coast Water District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
FRANK URY	Santa Margarita Water District	Director

Staff Participation:

AMBER BOONE	General Manager
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1. Call Meeting to Order

Director Ury called the meeting to order at 11:10 a.m.

2. Public Comments

None.

3. SOCWA Goals for 2026

An open discussion ensued regarding the potential organizational goals for 2026.

This was an information item; no action was taken.

4. Support Resources Discussion

An open discussion ensued regarding the ongoing and needed organization staffing and consulting needs.

This was an information item; no action was taken.

5. Website Redesign

An open discussion ensued regarding reviewing potential updates needed for the SOCWA website.

This was an information item; no action was taken.

6. General Discussion

- An open discussion ensued regarding governance matters, upcoming deadlines, initiatives, or member concerns.

This was an information item; no action was taken.

Adjournment

There being no further business, Director Ury adjourned the meeting at 12:45 p.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Executive Committee of January 27, 2026, and approved by the Executive Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Lynda May, Administrative Assistant
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

5.E.

Board of Directors Meeting

Meeting Date: February 5, 2026

TO: Board of Directors
FROM: Jim Burror, Deputy General Manager/Chief Engineer
SUBJECT: December 2025 Operations Report

Summary/Discussion

The following selected operational reports are provided monthly to the Board of Directors. The operational reports included are as follows:

1) Monthly Operational Report

This is a six (6) page overview and comparison of owner use of facilities, including influent and recycled water production. The pages include ongoing calculations used by SOCWA to bill the agencies. Other items include important statistics for regulatory compliance, visits by the public to the treatment works, and other vendor interactions. The information is broken down by facility and by member agency.

2) SOCWA Ocean Outfall Discharges by Agency

This data shows how much water is being discharged into the ocean each month and for the last 12 months. This data is presented for the agencies planning reuse projects to better understand the potential to expand water reuse in their service area.

3) Quarterly Report on Key Operational Expenses

A seven (7) page overview of monthly expenses for key operational expenses with estimated projections for the Fiscal Year. The key parameters being tracked are Electricity, Odor Control, Polymer, Biosolids, Maintenance expenses (not including SOCWA staff labor), small capital purchases, and safety.

4) Beach Ocean Monitoring Report

5) Recycled Water Report

6) Pretreatment Report

Fiscal Impact

No change.

Recommended Action:

Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report December 2025

Excursion, Complaint, and Violation Events

Events	CTP	JBL	Totals
Odor	0	0	0
Noise	0	0	0
Spills	0	0	0
Violations	0	0	0
Others	0	0	0

Plant Wastewater Characteristics

Key Parameters	CTP	JBL TP1	JBL TP2	Total
Influent (mgd) (1)	2.31	7.78	1.00	11.09
Effluent (mgd)	2.62	7.78	2.92	13.32
Peak Flow (mgd)	10.28	16.19	9.09	35.56
Influent BOD (mg/l)	258	276	379	
Influent TSS (mg/l)	305	476	583	
Effluent BOD (mg/l)	3.1	6.4	6.4	
Effluent TSS (mg/l)	5.0	8.1	8.2	
Effluent Turbidity (NTU)	1.7	3.9	3.1	

(1) CTP Influent value does not include AWT backwash in this table.

Recycled Water (AWT) Operations

Key Parameters	CTP	JBL	Totals
Average Flow (mgd)	0.26		0.26
Days of Operation (days)	20		
Total Flow (million gallons)	8.19		8.19
Plant Irrigation (million gallons)	0.10	0.31	0.41
AWT Time Online (%)	62.4		

Wastewater Unit Definitions

mgd = million gallons per day

mg/l = milligram per liter also known as parts per million

NTU = Nephelometric Turbidity Units

SOCWA Operational Report December 2025 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	JBL	Totals
Nursery Products (tons)		938.4	938.4
Prima Deshecha (tons)		0.0	0.0
Other: (tons)		0.0	0.0
Total Processed (tons)		938.4	938.4

Summary of Maintenance Activities

Task Type	CTP	JBL	Totals
Preventative Maintenance	231	371	602
Corrective Maintenance	6	40	46

Site Visitors

Visitor Types	CTP	JBL	Totals
Regulatory	0	3	3
Member Agency	0	1	1
Residents	0	0	0
Others	4	17	21
Tours #/Visitors	3	1	4

Grit Disposal Management

Grit & Screenings	CTP	JBL	Totals
Simi Valley Landfill (tons)	8.0	38.2	46.3

Chemical and Energy Utilization

Chemical/Utility	CTP	JBL	Totals
Ferric Chloride (tons)	9.3	27.4	37
Utility Power Purchase (kWh)	194,700	NA	194,700
Cogen Power (kWh)		452,664	452,664
Natural Gas (Dth)	5	573	578
Digester Gas to Engine (scfm)		6,766,489	6,766,489

SOCWA Operational Report December 2025 (cont'd)

Agency Flows to SOCWA Operated Treatment Plants (Including Internal Waste Streams Used for Billing)

Agency	CTP (mgd)	CTP (%)	JBL (mgd)	JBL (%)	Total (mgd)	Notes
CLB	1.273	53.88%			1.273	
EBSD	0.082	3.48%			0.082	
MNWD			1.400	15.94%	1.400	C/O SCWD
SCWD	1.008	42.64%	1.689	19.23%	2.697	
SMWD			5.692	64.82%	5.692	
Total	2.363	100.00%	8.781	100.00%	11.144	

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB			1.27	8.50%	1.27	
EBSD			0.08	0.55%	0.08	
MNWD	2.81	19.36%	5.24	34.98%	8.05	C/O SCWD/SMWD (SJCOO) & ETWD (ACOO)
SCWD	1.86	12.83%	1.27	8.45%	3.13	
ETWD			3.07	20.51%	3.07	
IRWD			4.05	27.01%	4.05	C/O ETWD
SMWD	6.66	45.93%			6.66	
CSC	3.17	21.88%			3.17	
Total	14.50	100.00%	14.99	100.00%	29.48	

SOCWA Operational Report December 2025 (cont'd)

FY Flow/Solids Summary-Billing

Project Committee No. 2 Liquids (JBL)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)(1)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
SCWD	6.75	51.92%	1.598	20.85%	1.689	19.23%	1.54	18.07%
SMWD	6.25	48.08%	4.667	60.89%	5.692	64.82%	5.58	65.50%
MNWD(3)			1.400	18.26%	1.400	15.94%	1.40	16.44%
Total	13.00	100.00%	7.665	100.00%	8.781	100.00%	8.52	100.00%

Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
SCWD	16,055	41.62%	5,183	17.12%	4,108	12.97%	3,412	13.88%
SMWD	22,518	58.38%	19,402	64.08%	21,464	67.78%	16,394	66.70%
MNWD(3)			5,693	18.80%	6,094	19.24%	4,773	19.42%
Total	38,573	100.00%	30,278	100.00%	31,666	100.00%	24,579	100.00%

Project Committee No. 5 - San Juan Creek Ocean Outfall (SJCOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CSC	16.63%	13.300	16.63%	3.172	21.88%	2.591	20.28%
SCWD	12.46%	9.970	12.46%	1.859	12.83%	1.715	13.42%
SMWD	55.40%	44.320	55.40%	6.658	45.93%	6.178	48.36%
MNWD(4)		12.410	15.51%	2.807	19.36%	2.292	17.94%
Total	100.00%	80.000	100.00%	14.497	100.00%	12.776	100.00%

(1) Influent billing meter summary:

- a. CSJC is metered daily in the collection system. The area-velocity meter has an accuracy of +/- 20%.
- b. MNWD flows with SCWD flows are assumed to be 1.4 mgd unless Treatment Plant 3A is discharging to the sewer. If other discharges occur, they are estimated.
- c. SCWD flows are the summation of the DPSD and Victoria PS meters. The two metering systems have an accuracy of +/- 10%.
- d. The Oso Trabuco sewer is metered daily in the collection system. The flows from MNWD are subtracted from the metering data collected to determine SMWD's flows. The metering system in the collection system has an accuracy of +/- 20%.

(2) The 36-month average is the average of the past 36 months. The Use Audit is based on the last 3 Fiscal Years versus the average of the past 36 months.

(3) C/O SCWD for billing.

(4) C/O SCWD and SMWD for billing.

SOCWA Operational Report December 2025 (cont'd)

FY Flow/Solids Summary-Billing (cont'd)

Project Committee No. 15 (CTP)

Agency	Own (mgd)	Own (%)	Budget (mgd)	Budget (%)	Month (mgd)	Month (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	3.64	54.33%	1.430	53.56%	1.273	53.88%	1.340	53.51%
EBSB	0.20	2.99%	0.060	2.25%	0.082	3.48%	0.072	2.87%
SCWD	2.86	42.69%	1.180	44.19%	1.008	42.64%	1.092	43.62%
Total	6.70	100.00%	2.670	100.00%	2.363	100.00%	2.504	100.00%

Project Committee No. 24 (ACOO)

Agency	Own (%)	Budget (mgd)	Budget (%)	Month Outfall Flow (mgd)	Month Outfall Flow (%)	FY Avg Outfall Flow (mgd)	FY Avg Outfall Flow (%)
CLB	11.00%	5.500	11.00%	1.273	8.50%	1.340	12.56%
EBSB	0.78%	0.390	0.78%	0.082	0.55%	0.072	0.67%
ETWD	16.30%	8.151	16.30%	3.074	20.51%	1.939	18.18%
MNWD(1)	43.85%	21.924	43.85%	5.243	34.98%	2.864	26.85%
IRWD(1)	15.76%	7.880	15.76%	4.047	27.01%	3.456	32.40%
SCWD	12.31%	6.155	12.31%	1.266	8.45%	0.996	9.34%
Total	100.00%	50.000	100.00%	14.986	100.00%	10.667	100.00%

(1) Permitted flow to the ACOO from IRWD and MNWD who are not member agencies of SOCWA.

SOCWA Operational Report December 2025 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Repaired failing Process Water Pump Nos. 1, 2, and 4 and tested repairs at JBL.

Repaired failing Waste Pump #1 and tested repairs at JBL.

Troubleshoot failed Cogen Engine at JBL.

Repaired failing Truck Scale #1 at JBL.

Repaired failing Aeration Blower #7 and tested repairs at JBL.

Troubleshoot failing Digester #3 Mix Pump and tested repairs at JBL.

Repaired failing Bar Screen #3 and tested repairs at JBL.

Troubleshoot failing Raw Sewage Pump #4 and tested repairs at JBL.

Troubleshoot failing Scrubber Stage #2 Caustic Pump and tested repairs at JBL.

Repaired failing Flare Ignitor and tested repairs at JBL.

Repaired failing Polymer Feed Pump and tested repairs at JBL.

Troubleshoot failing Decant Pump and tested repairs at JBL.

Repaired failing Grit Washer #2 and tested repairs at JBL.

CTP - PC15

Repaired the Plant Generator that failed to start in a power outage at CTP.

Replaced failed Export Pump #3 at CTP.

Troubleshoot a failed DPS pumping system at CTP.

Replaced failed Grit Classifier #2 at CTP.

Repaired failing RAS Building Sump Pump #1 and tested repairs at CTP.

SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report December 2025 (cont'd)

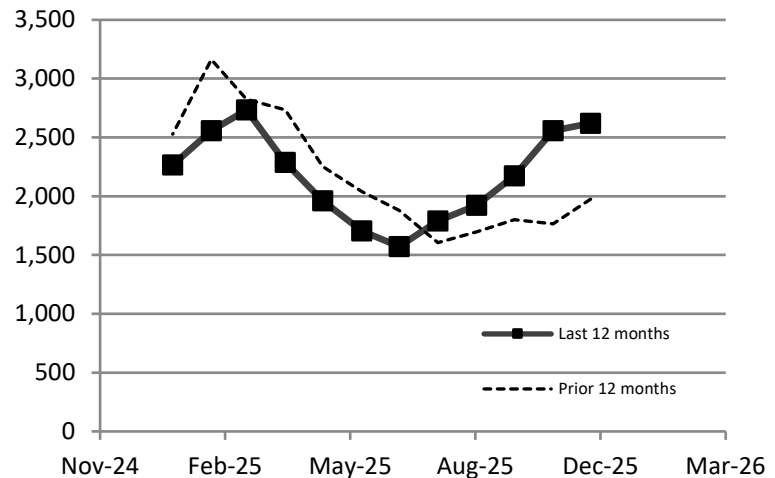
Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.27	8.50%	1.27
EBSD			0.08	0.55%	0.08
MNWD(1)	2.81	19.36%	5.24	34.98%	8.05
SCWD	1.86	12.83%	1.27	8.45%	3.13
ETWD			3.07	20.51%	3.07
IRWD(2)			4.05	27.01%	4.05
SMWD	6.66	45.93%			6.66
CSC	3.17	21.88%			3.17
Total	14.50	100.00%	14.99	100.00%	29.48
or Acre-Feet per year equivalent					33,021

(1) C/O ETWD, SCWD & SMWD

(2) C/O ETWD

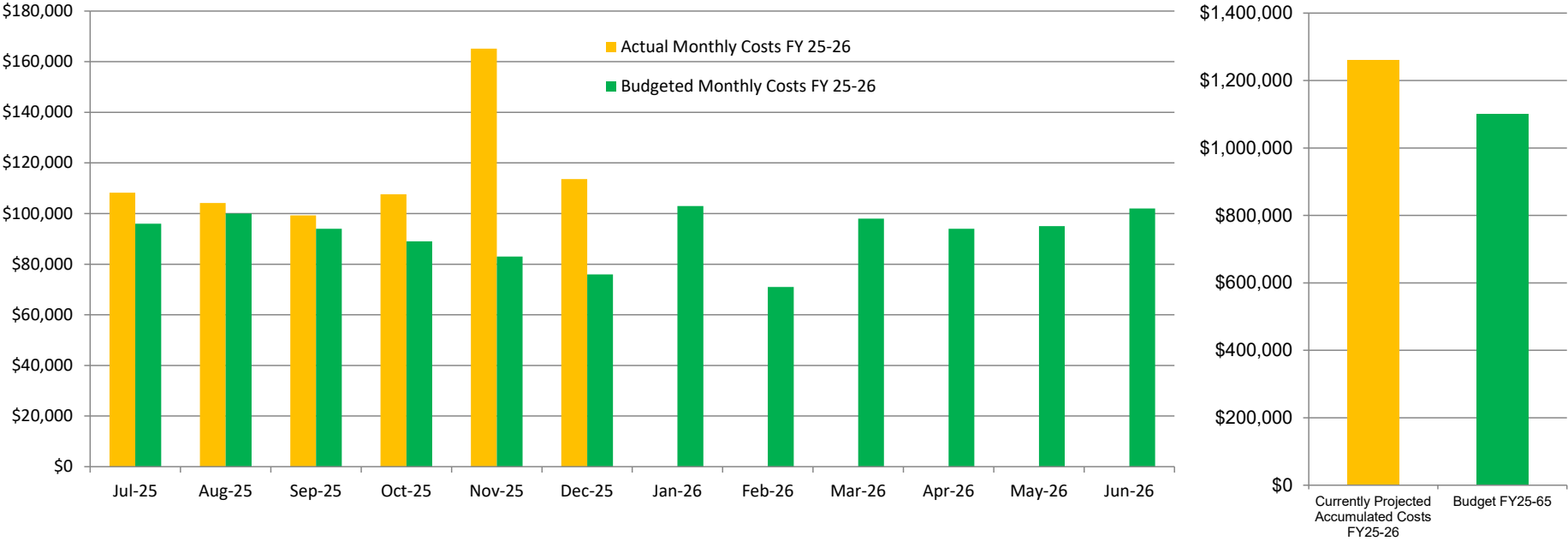
12-Month Running Total Discharge to Ocean Outfalls (AF)

Dec-25	2,620
Nov-25	2,557
Oct-25	2,174
Sep-25	1,924
Aug-25	1,790
Jul-25	1,573
Jun-25	1,705
May-25	1,962
Apr-25	2,288
Mar-25	2,734
Feb-25	2,558
Jan-25	2,266
Total	26,149



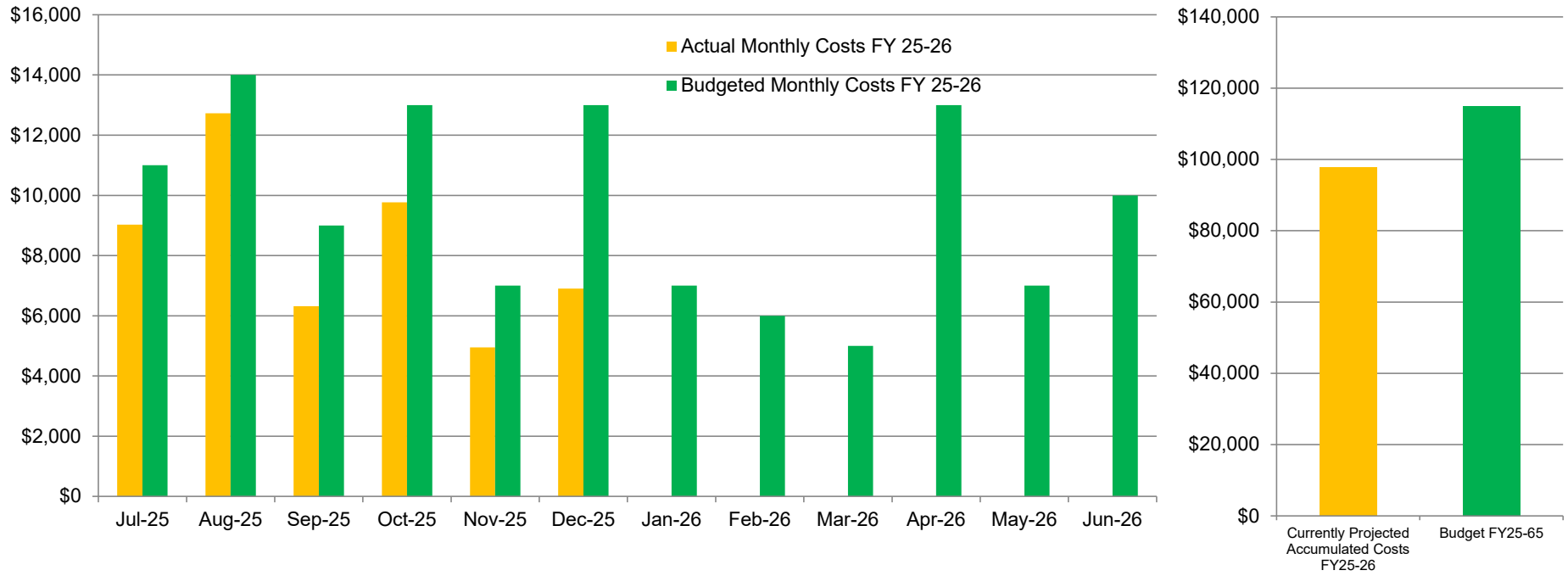
Quarterly Report on Key Operational Expenses

Electricity (5002) Costs



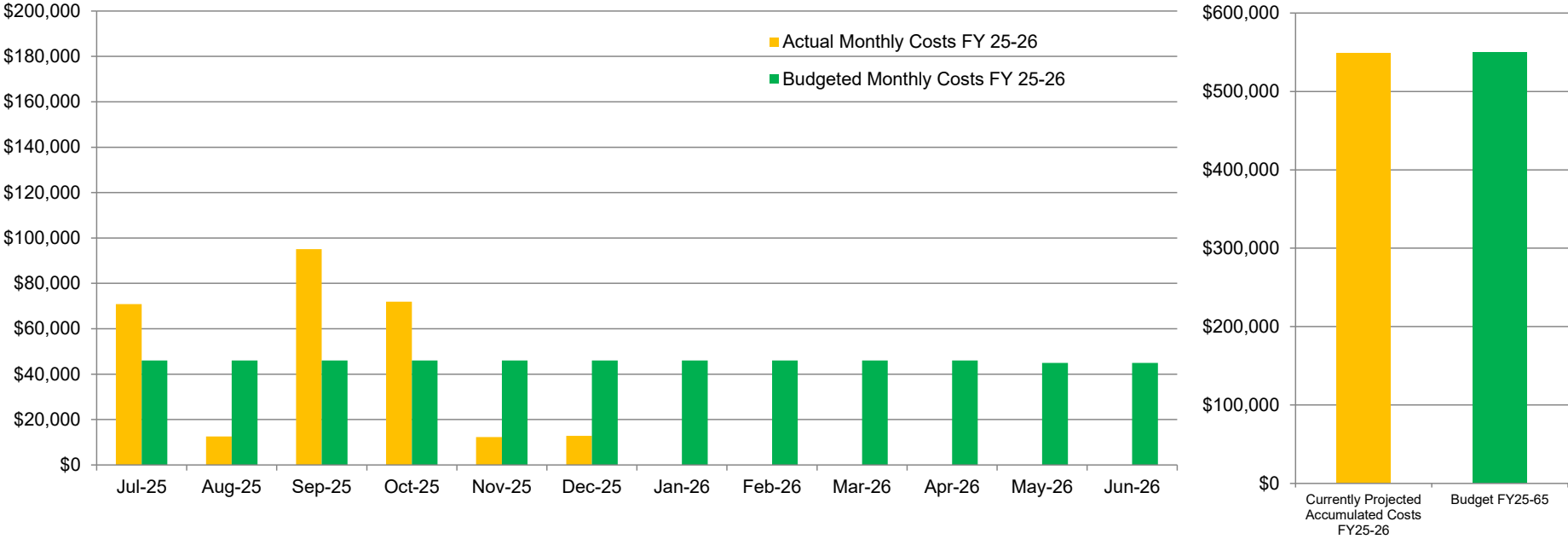
	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Currently Projected Accumulated Costs FY25-26	\$1,261,203
Actual Monthly Costs FY 25-26	\$108,266	\$104,206	\$99,310	\$107,584	\$165,139	\$113,658							Budget FY25-26	\$1,101,040
Budgeted Monthly Costs FY 25-26	\$96,000	\$100,000	\$94,000	\$89,000	\$83,000	\$76,000	\$103,000	\$71,000	\$98,000	\$94,000	\$95,000	\$102,040	Currently Projected Under(+)/Over (-) Budget	-\$160,163

Odor Control (5009) Costs



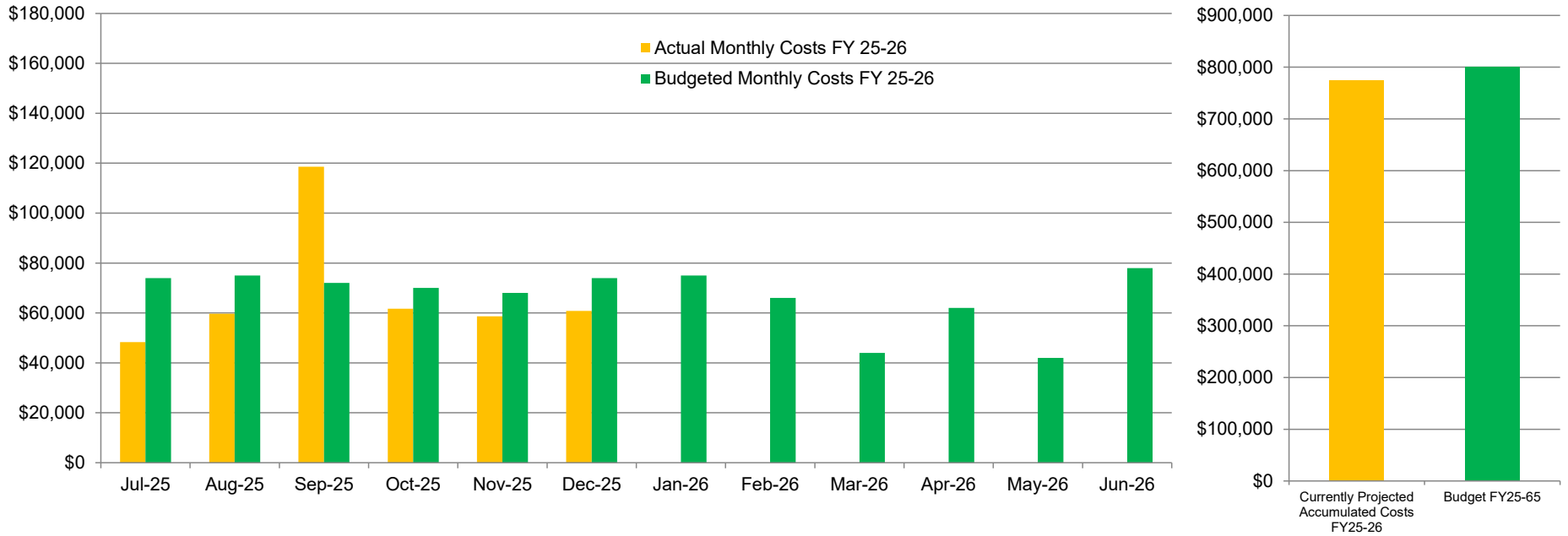
	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Currently Projected Accumulated Costs FY25-26	\$97,691
Actual Monthly Costs FY 25-26	\$9,030	\$12,727	\$6,315	\$9,770	\$4,948	\$6,900							Budget FY25-26	\$115,000
Budgeted Monthly Costs FY 25-26	\$11,000	\$14,000	\$9,000	\$13,000	\$7,000	\$13,000	\$7,000	\$6,000	\$5,000	\$13,000	\$7,000	\$10,000	Currently Projected Under(+)/Over (-) Budget	\$17,309

Polymer (5007) Costs



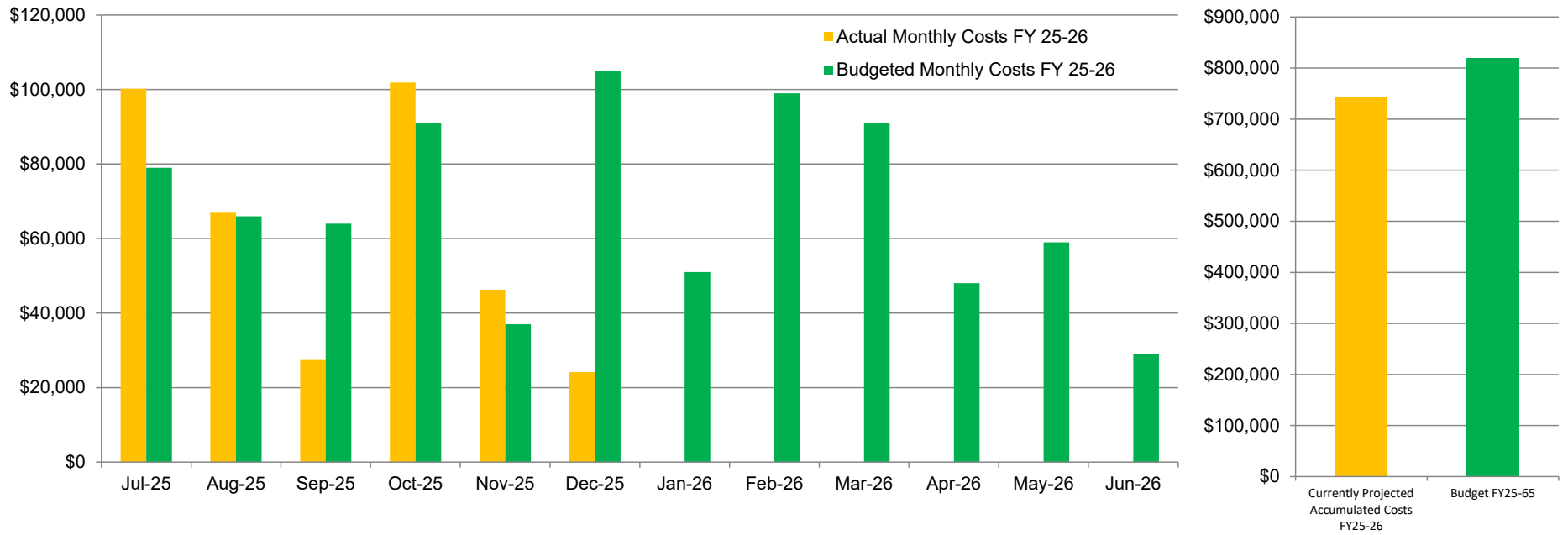
	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Currently Projected Accumulated Costs FY25-26	Budget FY25-65
Actual Monthly Costs FY 25-26	\$70,887	\$12,569	\$95,126	\$71,974	\$12,255	\$12,834							\$548,645	\$550,000
Budgeted Monthly Costs FY 25-26	\$46,000	\$46,000	\$46,000	\$46,000	\$46,000	\$46,000	\$46,000	\$46,000	\$46,000	\$46,000	\$45,000	\$45,000	Currently Projected Under(+)/Over (-) Budget	\$1,355

Biosolids (5049) Costs



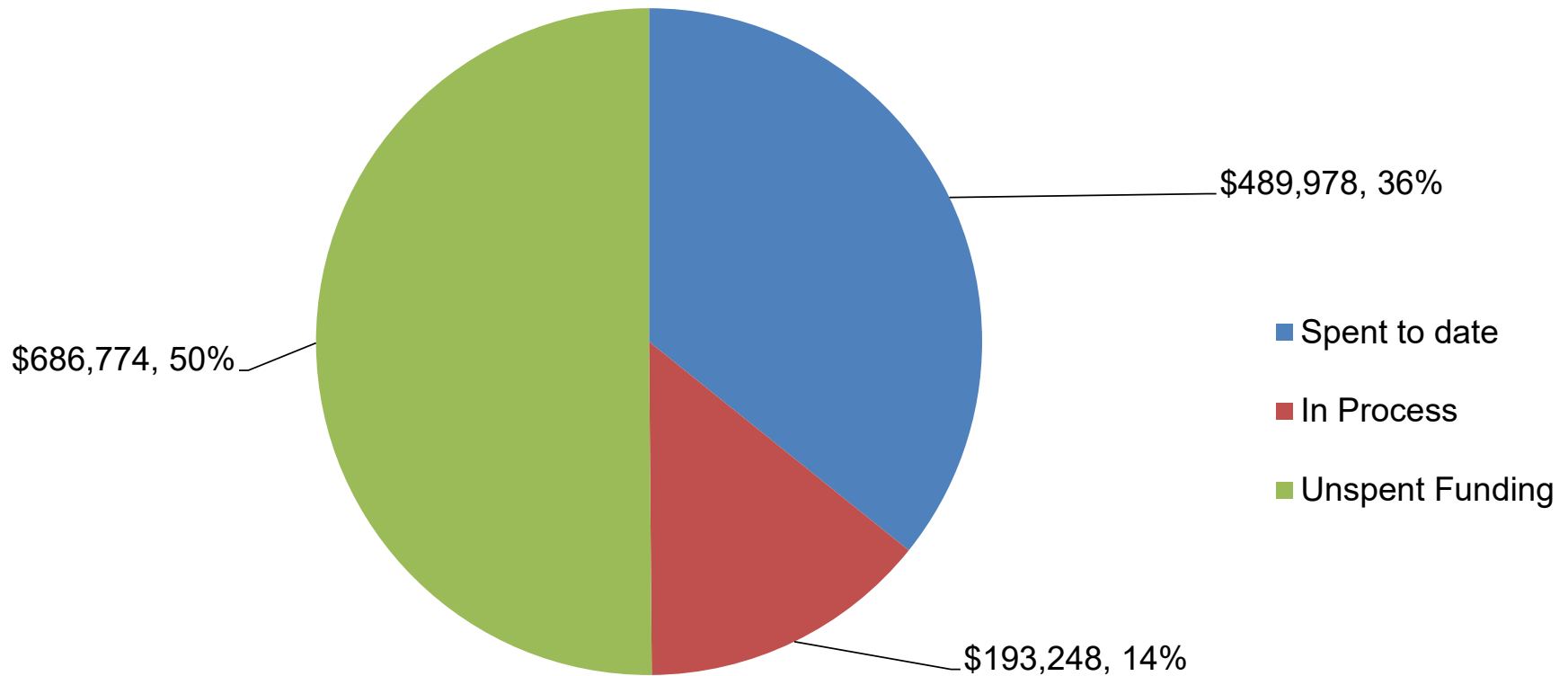
	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Currently Projected Accumulated Costs FY25-26	\$774,752
Actual Monthly Costs FY 25-26	\$48,298	\$59,675	\$118,591	\$61,697	\$58,667	\$60,824							Budget FY25-26	\$800,000
Budgeted Monthly Costs FY 25-26	\$74,000	\$75,000	\$72,000	\$70,000	\$68,000	\$74,000	\$75,000	\$66,000	\$44,000	\$62,000	\$42,000	\$78,000	Currently Projected Under(+)/Over (-) Budget	\$25,248

Maintenance Repair (5056 to 5060) Costs



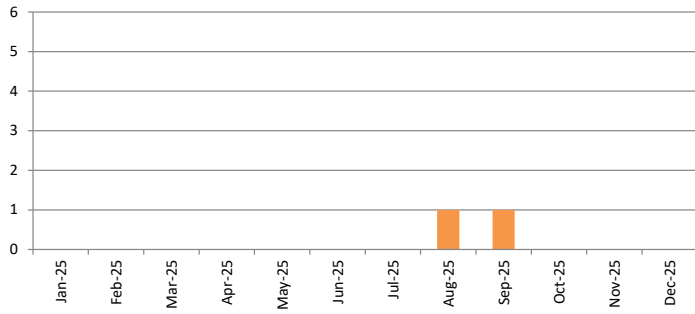
	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26	Apr-26	May-26	Jun-26	Currently Projected Accumulated Costs FY25-26	\$743,850
Actual Monthly Costs FY 25-26	\$100,239	\$66,924	\$27,384	\$101,882	\$46,281	\$24,139							Budget FY25-26	\$819,000
Budgeted Monthly Costs FY 25-26	\$79,000	\$66,000	\$64,000	\$91,000	\$37,000	\$105,000	\$51,000	\$99,000	\$91,000	\$48,000	\$59,000	\$29,000	Currently Projected Under(+)/Over (-) Budget	\$75,150

FY25-26 Small Internal Capital Costs



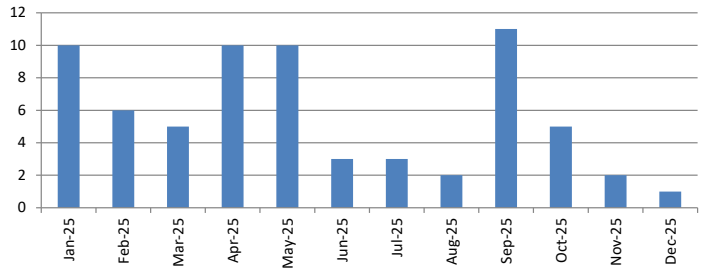
SOCWA SAFETY UPDATE - DECEMBER 2025

OSHA RECORDABLE INJURIES



	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
OSHA RECORDABLE INJURIES	0	0	0	0	0	0	0	1	1	0	0	0

NEAR MISS REPORTS



	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25
NEAR MISS REPORTS	10	6	5	10	10	3	3	2	11	5	2	1

Updated: 1/7/2026

SAFETY TRAINING

TRAINING TOPIC	ATTENDANCE
Dec '25 Annual Distracted and Defensive Driving Training with CHP	95% (includes online training)
Oct'25 Annual Audiometric Hearing Testing/Annual Respirator Fit Testing	100%
Sept '25 - CPR/First Aid/AED Training/Certification (small group format with SOCWA CPR Certified Instructor)	100%
Aug '25 - Annual Confined Space Entry Rescue Refresher Training	95%
July '25 - Workplace Violence Training / Additional PA System Use Training	95%
June '25 - Annual HAZWOPER Refresher Training	95%
May '25 - Emergency Tabletop Training Exercise, Fire Extinguisher Use Training, Forklift Train the Trainer Training	95%
Apr '25 - Annual Heat Illness Training (Outdoor and Indoor Heat)	100%
Feb '25 - Annual Bloodborne Pathogens Training	95%
Nov '24 - Annual Audiometric Hearing Testing / Indoor Heat Illness Training	95%
Oct '24 -Workplace Violence/De-Escalation, Annual Confined Space Entry Rescue, CPR-FA-AED Training	90%
Sept '23 - Annual Respirator Fit Testing and INITIAL Confined Space Entry Rescue Refresher Training	100%
July '23 - Forklift Refresher Training	100%
May '23 - Emergency Tabletop Training Exercises and Fire Extinguisher Use Training	90% (of all SOCWA Employees)
Mar '23 - Emergency PA System Use Training / Additional ICS Training	90%
Nov '22 - Hearing Testing/Confined Space Entry Rescue Training/Supervisor Safety Training	95%
June '22 - Active Shooter/Workplace Violence Training and SPCCP Spill Training	95% (of all SOCWA Employees)
Oct '21 - Annual Hearing Testing, Wildfire Safety/Smoke Training, Respirator Fit Testing	100%
Sept '21 - Annual BBP Training and Lifting Safety Training (with CSRMA, remotely)	90%
Aug '21 - Confined Space Rescue Refresher and Electrical Safety in the Workplace	100%
Oct '19 - Fall Protection Training, Additional ICS Training, and Spill Training	90%
Sept '19 - Wildland Fire Training and CPR/First Aid/AED Training	90%
Aug '19 - Initial Confined Space Entry Rescue and Additional Active Shooter Training	95%
September '18 - Silica Safety Training / October '18 - Crane Safety	100%
Aug '18 - Fire Awareness Safety for Field Personnel and Lockout/Tagout Training	100% (all SOCWA employees)
Jan '18 - Respiratory PPE Training/Fit Testing and Additional ICS Training	90%
Sept '17 - Active Shooter/Workplace Violence Training	100%
May '17 - Safety Culture Training & July/Aug '17 - Spill Response Training (hands on)	100%
Mar '17 - Fall Protection Training and CPR/First Aid/AED Training	100%
Jan '17 - Lockout/Tagout Training and Confined Space Rescue Practice/Training	100%
Oct '16 - Confined Space Awareness/Entry Rescue Training and Forklift Training	100%
May '16 - Entry Level NIMS/ICS Training at SOCWA and Heat Illness Training	100%
Feb '16 - Biomechanics/Ergonomics Training (CSRMA) and Bloodborne Pathogens Training	100%
Oct '15 and Jan '16 - Initial Confined Space Entry Rescue Training (3-day trainings)	100%
Sept '15 - Pre-Storm Workshop, Arc Flash Training, and Forklift Training	100%
Aug '15 - Fire Prevention for Water Utility Field Staff & Disaster Cost Recovery Training	100%
July '15 - Additional NIMS/ICS Training, Attend Water and Power Resiliency Workshop	Ongoing
June '15 - Initial Confined Space Awareness and Non-Entry Rescue Training	100%

Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

December 2025

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO FLOW	Rain Fall
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	FLOW	inches
	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	MGD	MGD	MGD	
12/01/25	3.386	9.5	2.9	<0.1	2.639	2.5		0.1	5.790	9.1	5.2	<0.1	2.730	8.6	3.4	<0.1	0.450	0.386	0.138	15.519	0.00
12/02/25	3.367	11.1	2.6	<0.1	3.015	12.7	3.7	0.1	4.46	4.9	<2.0	<0.1	2.098	7.5	<2.0	<0.1	0.451	0.395	0.126	13.912	0.01
12/03/25	3.405	10.5	2.8	<0.1	3.256	8.0	3.2	0.1	4.430	5.6	<2.0	0.1	2.336	7.7	3.0	<0.1	0.447	0.410	0.132	14.416	0.00
12/04/25	3.360	10.7	<2.4	<0.1	2.707	9.4	3.5	0.1	6.430	4.3	2.8	<0.1	2.326	8.0	7.9	<0.1	0.448	0.406	0.155	15.832	0.00
12/05/25	3.400	11.0	2.7	<0.1	2.496	8.9	4.0	<0.1	5.660	4.6	5.1	<0.1	2.352	1.5	3.2	<0.1	0.446	0.401	0.123	14.878	0.00
12/06/25	3.412	12.7		<0.1	3.199	9.7	3.9	0.1	3.930	4.6	2.5		2.369	1.7	2.2		0.447	0.401	0.141	13.899	0.01
12/07/25	3.413	13.7	<2.4	<0.1	3.829	13.2	4.3	<0.1	4.140	5.2	4.6	<0.1	2.359	3.9	4.7	<0.1	0.447	0.401	0.112	14.701	0.01
12/08/25	3.435	12.3	2.8	<0.1	2.747	5.2		0.1	4.180	5.8	2.5	<0.1	2.376	3.9	2.1	<0.1	0.447	0.400	0.136	13.721	0.00
12/09/25	3.489	13.1	2.6	<0.1	2.956	12.7	2.8	0.1	3.220	5.2	3.4	<0.1	2.334	3.7	2.3	<0.1	0.447	0.272	0.124	12.842	0.01
12/10/25	3.556	12.8	2.8	<0.1	1.957	7.6	3.4	0.1	3.260	6.7	5.0	0.1	2.304	2.4	2.9	<0.1	0.447	0.000	0.124	11.648	0.00
12/11/25	3.564	15.2	2.6	<0.1	3.779	6.9	3.3	0.1	4.070	6.3	3.5	<0.1	2.308	3.7	2.2	<0.1	0.449	0.000	0.114	14.284	0.00
12/12/25	3.566	15.2	3.1	<0.1	1.221	6.4	2.5	<0.1	4.940	5.0	3.5	<0.1	2.322	3.1	2.6	<0.1	0.450	0.000	0.137	12.636	0.01
12/13/25	3.561	13.2		<0.1	2.586	7.0	2.4	0.1	4.030	4.9	3.6		2.349	1.8	1.4		0.451	0.000	0.146	13.123	0.00
12/14/25	3.567	11.8	<2.4	<0.1	3.034	5.0	2.9	<0.1	4.670	4.4	3.9	<0.1	2.705	5.2	4.3	<0.1	0.450	0.000	0.127	14.553	0.00
12/15/25	3.599	10.2	2.5	<0.1	3.107	5.0		0.1	5.580	4.6	2.5	<0.1	2.597	5.4	4.2	<0.1	0.451	0.000	0.135	15.469	0.00
12/16/25	3.466	13.4	2.8	<0.1	2.174	7.0	3.4	0.1	4.700	6.6	<2.0	<0.1	2.334	3.9	2.8	<0.1	0.450	0.000	0.009	13.133	0.02
12/17/25	3.453	12.0	14.1	<0.1	2.973	9.8	3.6	0.1	4.890	4.4	<2.0	0.1	2.271	2.4	4.4	<0.1	0.450	0.000	0.119	14.156	0.00
12/18/25	3.437	12.0	3.0	<0.1	3.041	8.4	3.8	0.1	4.490	3.7	2.4	<0.1	2.300	3.0	2.1	<0.1	0.451	0.000	0.147	13.866	0.01
12/19/25	3.306	14.4	4.2	<0.1	2.762	7.4	3.7	<0.1	4.590	4.0	2.2	<0.1	2.325	2.5	1.3	<0.1	0.450	0.000	0.133	13.566	0.00
12/20/25	3.512	13.5		<0.1	2.658	8.9	4.2	<0.1	5.110	3.3	1.7	<0.1	2.381	5.5	2.1		0.451	0.000	0.138	14.250	0.00
12/21/25	3.446	13.7	4.5	<0.1	3.054	5.8	2.9	<0.1	5.560	5.8	3.3	<0.1	2.420	7.6	3.6	<0.1	0.450	0.000	0.000	14.930	0.00
12/22/25	3.440	13.6	4.5	<0.1	3.373	5.6		0.1	6.810	5.3	3.5	<0.1	2.706	6.0	2.5	<0.1	0.451	0.000	0.000	16.780	0.00
12/23/25	3.437	14.0	5.1	<0.1	3.550	10.0	5.4	0.2	7.510	4.2	3.2	<0.1	2.967	5.8	3.2	<0.1	0.450	0.000	0.000	17.914	0.11
12/24/25	3.564	11.8	4.7	<0.1	4.751	8.2	3.8	0.1	6.240	6.0	2.2	<0.1	2.720	7.4	2.2	<0.1	0.451	0.000	0.000	17.726	1.40
12/25/25	4.155	12.0	4.5	<0.1	3.129	8.8	4.8	0.1	7.820	9.3	3.3	<0.1	3.279	9.2	3.2	<0.1	0.451	0.000	0.000	18.834	0.00
12/26/25	3.663	17.2	6.0	<0.1	3.953	9.0	4.9	<0.1	4.950	7.2	4.1	<0.1	2.752	4.0	1.6	<0.1	0.451	0.000	0.000	15.769	0.80
12/27/25	3.471	15.0		<0.1	3.608	22.3	9.2	0.1	7.310	9.0	5.4		3.229	7.0	4.1		0.450	0.000	0.000	18.068	0.01
12/28/25	3.549	14.7	4.9	<0.1	3.695		8.3	<0.1	6.440	7.1	4.5	<0.1	2.916	4.2	5.1	<0.1	0.451	0.000	0.000	17.051	0.01
12/29/25	3.552	17.6	5.2	<0.1	2.157	8.4		0.1	6.030	6.4	3.1	<0.1	2.793	4.9	3.2	<0.1	0.450	0.000	0.000	14.982	0.00
12/30/25	3.317	14.6	4.0	<0.1	3.360	13.6	5.1	0.1	5.800	6.9	2.5	<0.1	2.811	8.3	3.4	<0.1	0.451	0.000	0.000	15.739	0.00
12/31/25	3.209	12.4		<0.1	4.534	15.8	4.6	0.1	5.490	6.6	3.5	0.1	2.690	6.2	2.4	<0.1	0.451	0.000	0.000	16.374	0.38
AVG	3.486	13.1	3.9	<0.1	3.074	9.0	4.1	<0.1	5.243	5.7	3.3	<0.1	2.541	5.0	3.1	<0.1	0.450	0.112	0.081	14.986	
TOTAL	108.06				95.30				162.53				78.76				13.94	3.47	2.516	464.57	2.79

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2025
 REPORT DUE: February 1 2026
 SAMPLE SOURCE: Surf zone
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan
 SAMPLES COLLECTED BY: SOCWA Lab
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 8:09

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	12/05/25	8:05	<10	<10	<2	None	None	None	None	Green	61	Clear		
S4	12/05/25	10:55	<10	<10	2	None	None	None	None	Green		Clear		
S5	12/05/25	10:35	<10	<10	<2	None	None	None	None	Green		Clear		
S6	12/05/25	10:10	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	12/05/25	10:05	10	<10	<2	None	None	None	None	Green		Clear		
S7	12/05/25	10:00	<10	<10	<2	None	None	None	None	Green		Clear		
S8	12/05/25	9:55	<10	<10	<2	None	None	None	None	Blue		Clear		
S9	12/05/25	9:39	<10	<10	4	None	None	None	None	Green		Clear		
ACM1	12/05/25	9:17	30	20	4	None	None	None	None	Green		Clear		
S10	12/05/25	9:15	20	<10	<2	None	None	None	None	Green		Clear		
S11	12/05/25	9:10	60	10	<2	None	None	None	None	Green		Clear		
S12	12/05/25	9:05	30	<10	2	None	None	None	None	Green		Clear		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2025

REPORT FREQUENCY: Monthly

REPORT DUE: February 1, 2026

EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan

SAMPLE SOURCE: Receiving water surf zone

SAMPLES COLLECTED BY: SOCWA Lab

TYPE OF SAMPLE: Grab

SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 11:38

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	12/09/25	9:53	<10	<10	<2	None	None	None	None	Blue	64	Clear		
S4	12/09/25	10:12	30	20	30	None	None	None	None	Blue		Clear		
S5	12/09/25	10:28	<10	<10	<2	None	None	None	None	Blue		Clear		
S6	12/09/25	10:53	<10	<10	<2	None	None	None	None	Blue		Clear		
WEST	12/09/25	10:54	<10	<10	<2	None	None	None	None	Blue		Clear		
S7	12/09/25	10:58	<10	<10	<2	None	None	None	None	Blue		Clear		
S8	12/09/25	11:30	20	10	30	None	None	None	None	Blue		Clear		
S9	12/09/25	11:34	10	<10	2	None	None	None	None	Blue		Clear		
ACM1	12/09/25	11:37	<10	10	2	None	None	None	None	Blue		Clear		
S10	12/09/25	12:03	<10	20	4	None	None	None	None	Blue		Clear		
S11	12/09/25	11:59	100	130	10	None	None	None	None	Blue		Clear		
S12	12/09/25	12:14	<10	<10	<2	None	None	None	None	Blue		Clear		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100m

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2025
 REPORT DUE: February 1, 2026
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan
 SAMPLES COLLECTED BY: SOCWA Lab
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: Low Tide 11:10
 Weather: Fog
 COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	12/16/25	10:35	<10	<10	2	None	None	None	None	Green	62	Clear		
S4	12/16/25	10:20	10	<10	2	None	None	None	None	Green		Clear		
S5	12/16/25	9:50	20	<10	10	None	None	None	None	Green		Clear		
S6	12/16/25	9:20	<10	10	2	None	None	None	None	Green		Clear		
WEST	12/16/25	9:15	<10	<10	2	None	None	None	None	Green		Clear		
S7	12/16/25	9:10	<10	<10	<2	None	None	None	None	Green		Clear		
S8	12/16/25	9:00	<10	<10	2	None	None	None	None	Blue		Clear		
S9	12/16/25	8:45	60	10	2	None	None	None	None	Green		Clear		
ACM1	12/16/25	8:40	40	<10	2	None	None	None	None	Green		Clear		
S10	12/16/25	8:30	10	<10	8	None	None	None	None	Green		Clear		
S11	12/16/25	8:15	<10	10	2	None	None	None	None	Green		Clear		
S12	12/16/25	8:10	20	<10	2	None	None	None	None	Green		Clear		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2025
 REPORT DUE: February 1, 2026
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan
 SAMPLES COLLECTED BY: SOCWA Lab
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 10:07

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	12/23/25	10:42	<10	<10	<2	None	None	None	None	Green		Clear		
S4	12/23/25	9:24	<10	10	2	None	None	None	None	Green		Clear		
S5	12/23/25	10:15	10	10	2	None	None	None	None	Green		Clear		
S6	12/23/25	8:59	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	12/23/25	9:00	<10	<10	<2	None	None	None	None	Green		Clear		
S7	12/23/25	9:04	<10	<10	6	None	None	None	None	Green		Clear		
S8	12/23/25	9:51	30	30	30	None	None	None	None	Green		Clear		100
S9	12/23/25	9:48	50	40	130	None	None	None	None	Green		Clear		
ACM1	12/23/25	10:00	30	10	6	None	None	None	None	Green	62	Clear	Flowing	
S10	12/23/25	9:56	90	50	<2	None	None	None	None	Green		Clear		
S11	12/23/25	8:30	<10	90	20	None	None	None	None	Green		Clear		
S12	12/23/25	8:25	<10	50	<2	None	None	None	None	Green		Clear		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: December 2025
 REPORT DUE: February 1, 2026
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan
 SAMPLES COLLECTED BY: SOCWA Lab
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: Low Tide 12:34

Weather: Overcast

COMMENTS: Light rain all sites besides S11 and S12. Four harbor seals at S12.

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform CFU/100ml SM9222B	Coliform CFU/100ml SM9222D	coccus CFU/100ml EPA 1600	Onshore	Offshore							
S3	12/30/25	8:08	10	<10	<2	None	None	None	None	Blue	59	Clear		
S4	12/30/25	10:39	10	<10	2	None	None	None	None	Blue		Clear		
S5	12/30/25	10:25	<10	<10	<2	None	None	None	None	Blue		Clear		
S6	12/30/25	9:56	10	<10	<2	None	None	None	None	Blue		Clear		
WEST	12/30/25	9:59	<10	<10	<2	None	None	None	None	Blue		Clear		
S7	12/30/25	10:07	<10	<10	2	None	None	None	None	Blue		Clear		
S8	12/30/25	9:28	<10	<10	8	None	None	None	None	Blue		Clear		
S9	12/30/25	9:32	10	<10	4	None	None	None	None	Blue		Clear		
ACM1	12/30/25	9:37	2,100	530	430	None	None	None	None	Blue		Slightly Turbid	Flowing	
S10	12/30/25	9:00	<10	<10	<2	None	None	None	None	Blue		Clear		
S11	12/30/25	8:53	10	<10	6	None	None	None	None	Blue		Clear		
S12	12/30/25	8:38	50	<10	8	None	None	None	None	Blue		Clear		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

Unified Beach Water Quality Sample Station Map – Aliso Creek Ocean Outfall



Aliso Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

SOCWA's NPDES discharge permit requires participation in the South Orange County Unified Beach Water Quality Monitoring Program. The monitoring stations below are tested by SOCWA at least once per week for Total and Fecal Coliform and Enterococcus Bacteria.

Station	Location
S3	Three Arch Bay Beach; 10,000' down-coast from ACOO
S4	Ninth Street-1000 Steps; 5,000' down-coast from ACOO
S5	Laguna Lido Beach; 4,000 down-coast from ACOO
West	West Street Drain; 2,000' down-coast from ACOO
S6	Table Rock Beach; 3,000' down-coast from ACOO
S7	Camel Point Beach; 2,000' down-coast from ACOO
S8	Aliso Beach south; 1,000' down-coast from ACOO
S9	Aliso Beach middle; at ACOO
ACM1	Aliso Beach at Aliso Creek Outlet
S10	Aliso Beach north; 1,000' up-coast of ACOO
S11	Treasure Island Beach; 2,000' up-coast of ACOC
S12	Goff Island Beach; 3,000' up-coast of ACOO

MONITORING REPORT

Off Shore Stations

South Orange County Wastewater Authority

DISCHARGE: Aliso Creek Ocean Outfall

Report For: December 2025

Report Frequency: Monthly

Report Due: February 1, 2026

Sample Source: Receiving water, nearshore and offshore

Sampling Frequency: Monthly

Exact Sample Points: As specified in permit

Type of Sample: Grab

Samples Collected By: Seaventures/SOCWA staff

Tide: High Tide 8:40

Samples Analyzed By: SOCWA Lab

Comments:

Sta No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Entero-coccus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	12/03/25	<2	<2	<2	10:40	0	0	
A-1	Mid depth	12/03/25	<10	<10	<10				
A-2	Surface	12/03/25	<2	<2	2	10:30	0	0	
A-2	Mid depth	12/03/25	<10	<10	<10				
A-3	Surface	12/03/25	<2	<2	<2	10:54	0	0	
A-3	Mid depth	12/03/25	<10	<10	10				
A-4	Surface	12/03/25	<2	<2	2	11:01	0	0	
A-4	Mid depth	12/03/25	<10	<10	<10				
A-5	Surface	12/03/25	2	<2	<2	10:48	0	0	
A-5	Mid depth	12/03/25	<10	<10	10				
B-1	Surface	12/03/25	<2	<2	<2	10:15	0	0	
B-1	Mid depth	12/03/25	<10	<10	<10				
B-2	Surface	12/03/25	<2	<2	<2	11:12	0	0	
B-2	Mid depth	12/03/25	<10	<10	<10				
N1	Surface	12/03/25	<2	<2	<2	11:51	0	0	
N2	Surface	12/03/25	<2	<2	<2	11:45	0	0	
N3	Surface	12/03/25	<2	<2	<2	11:42	0	0	
N4	Surface	12/03/25	<2	<2	<2	11:36	0	0	
N5	Surface	12/03/25	<2	<2	<2	11:32	0	0	
N6	Surface	12/03/25	<2	<2	<2	11:26	0	0	
N7	Surface	12/03/25	<2	<2	<2	11:22	0	0	

REQUIREMENT: (1) Floating particulates and grease and oil shall not be visible. (2) The discharge of waste shall not cause aesthetically undesirable discoloration of the ocean surface.

Receiving Water Limitations: (1)30-Day geometric mean of fecal coliform density not to exceed 200CFU/100 mL

calculated based on the five most recent samples from each site (2)single sample max not to exceed 400 CFU/100mL

(3) Enterococcus 6-week rolling geometric mean not to exceed 30 CFU/100 mL, calculated weekly. (4) Statistical threshold value (STV)

of 110 CFU/100 mL for enterococcus not to be exceeded by more than 10% of samples collected in a calendar month, calculated

in a static manner

**Compliance Summary Report
Aliso Creek Ocean Outfall December 2025**

ACOO Permit Order No. R9-2022-0006							
Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
LAWRP-SGU Brine	12/13/2025	TSS, pH, SS	Deficient monitorng	mg/L, s.u., ml/L	Daily (5 days a week)	N/A	\$3,000



**SOCWA and MEMBER AGENCY FACILITIES ACOO
Spill / Overflow Report Log - December 2025 Order
No. R9-2022-0006 ~ NPDES Permit No. CA0107611**

Reporting Agency	Responsible Agency	Estimated Volume (Gallons)	Type of Discharge	Location/Comments	Receiving Waters	Date Reported To State	Date Resolved
				No Spills During this Monitoring Period			

SAN JUAN CREEK OCEAN OUTFALL MONITORING REPORT

December 2025

DATE	J.B. LATHAM FACILITY				SAN CLEMENTE WRP				SMWD CHIQUITA WRP				3-A PLANT				CSJC	SCWD	SJCOO	Rain
	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	FLOW MGD	TSS mg/L	cBOD mg/L	SS ml/L	Desalter FLOW MGD	Desalter FLOW MGD	FLOW MGD	Fall inches
12/01/25	8.420	8.0	6.3	<0.1	3.334	8.3	8.6	<0.1	0.000				1.346	9.0	4.3	<0.1	0.446	0.173	14.160	0.00
12/02/25	8.210	11.8	6.1	<0.1	2.433	8.6	6.8	<0.1	0.000				1.362	8.2	3.8	<0.1	0.406	0.177	13.830	0.01
12/03/25	5.000	8.5	4.7	0.1	3.907	8.5	8.4	<0.1	0.003	1.3	1.8	<0.1	1.360	10.0	4.0	<0.1	0.387	0.177	13.700	0.00
12/04/25	8.100	7.5	7.7	<0.1	3.240	7.8	6.1	<0.1	0.000				1.332	6.8	4.7	0.2	0.163	0.178	13.640	0.00
12/05/25	8.830	5.8	5.5	<0.1	3.048	8.8	5.7	<0.1	0.000				1.324	8.3	4.4	<0.1	0.249	0.173	13.440	0.00
12/06/25	8.760	8.3	5.6		3.611				0.000				1.370				0.151	0.177	13.360	0.01
12/07/25	9.000	7.4	6.1	<0.1	2.664	6.2	7.1		0.003	2.0	2.9	<0.1	1.429				0.007	0.177	13.610	0.01
12/08/25	9.050	6.4	5.0	<0.1	3.177	12.1	7.8	<0.1	0.002	2.1	3.6	<0.1	1.371	5.7	3.0	<0.1	0.179	0.172	13.730	0.00
12/09/25	8.910	7.2	4.3	<0.1	3.105	11.0	8.3	<0.1	0.000				1.316	6.6	3.2	<0.1	0.472	0.177	13.580	0.01
12/10/25	8.800	7.7	5.7	<0.1	3.072	12.1	6.5	<0.1	0.004	1.7	1.7	<0.1	1.284	7.0	5.8	<0.1	0.317	0.177	13.340	0.00
12/11/25	8.690	6.9	4.7	<0.1	3.153	11.0	6.0	<0.1	0.002	1.3	1.8	<0.1	1.280	6.0	3.5	<0.1	0.126	0.173	13.290	0.00
12/12/25	8.790	8.0	8.8	<0.1	3.339	9.3	6.1	<0.1	0.000				1.293	7.5	3.3	<0.1	0.000	0.177	13.210	0.01
12/13/25	8.730	6.3	5.1		2.872				0.000				1.319				0.001	0.177	12.990	0.00
12/14/25	8.920	8.6	7.0	<0.1	2.489	5.4	6.5		0.000				1.349	3.7	2.4	<0.1	0.000	0.174	13.290	0.00
12/15/25	8.940	9.8	6.4	<0.1	3.339	8.0	5.8	<0.1	0.000				1.303	1.6	2.3	<0.1	0.000	0.176	13.300	0.00
12/16/25	8.730	5.8	4.5	<0.1	3.025	8.1	5.3	<0.1	0.000				1.316	5.4	2.3	<0.1	0.006	0.174	13.480	0.02
12/17/25	8.700	8.1	7.2	<0.1	3.198	7.2	6.6	<0.1	0.001	1.5	1.6	<0.1	1.311	1.6	2.3	<0.1	0.005	0.179	13.390	0.00
12/18/25	8.620	7.0	5.8	<0.1	3.092	7.2	4.7	<0.1	0.000				1.351	1.4	2.1	<0.1	0.181	0.019	13.470	0.01
12/19/25	8.610	4.6	4.1	<0.1	3.095	7.2	6.9	<0.1	0.000				1.403	6.4	4.7	<0.1	0.532	0.176	13.320	0.00
12/20/25	8.680	5.8	4.0		3.431				0.000				1.422				0.566	0.173	13.560	0.00
12/21/25	8.850	7.6	6.1	<0.1	2.866	5.3	6.0		0.000				1.404	3.4	3.4	<0.1	0.622	0.177	13.560	0.00
12/22/25	8.790	6.4	6.3	<0.1	3.403	8.4	6.8	<0.1	0.000				1.423	4.2	3.7	<0.1	0.602	0.177	13.830	0.00
12/23/25	8.880	4.8	4.0	<0.1	3.222	6.5	7.4	<0.1	0.000				1.478	13.0	4.1	<0.1	0.588	0.173	13.910	0.11
12/24/25	8.890	8.2	6.6	<0.1	2.918			<0.1	2.965	1.7	1.5	<0.1	1.994	16.4	5.1	<0.1	0.229	0.177	13.840	1.40
12/25/25	10.860	14.1	7.5	<0.1	3.979	9.7	8.1	<0.1	2.119	346.0	76.1	<0.1	1.402	22.4	5.1	<0.1	0.006	0.176	22.420	0.00
12/26/25	8.560	9.7	8.2	<0.1	3.424	6.7	7.2	<0.1	1.224	10.4	4.2	<0.1	1.767	18.4	6.1	<0.1	0.007	0.173	14.840	0.80
12/27/25	10.470	11.8	12.6		3.702				2.888	12.3	9.1	4.5	1.552				0.007	0.177	18.650	0.01
12/28/25	9.450	11.0	10.7	<0.1	2.821	7.0	6.5		5.610	11.5	7.8	<0.1	1.455	6.7	12.3	<0.1	0.007	0.177	18.650	0.01
12/29/25	8.990	8.8	7.0	0.1	3.290	6.7	7.8	<0.1	5.770	4.3	3.0	<0.1	1.342	6.6	3.8	<0.1	0.006	0.174	20.590	0.00
12/30/25	8.970	9.8	7.2	<0.1	3.468	6.8	5.2	<0.1	2.945	2.9	2.7	1.0	1.385	13.0	4.3	<0.1	0.006	0.176	20.660	0.00
12/31/25	8.690	11.1	8.0	0.1	2.615	7.0	7.2	<0.1	0.141	7.3	4.0	0.2	1.574	3.4	2.8	<0.1	0.005	0.172	15.170	0.38
AVG	8.771	8.2	6.4	<0.1	3.172	8.1	6.7	<0.1	0.764	29.0	8.7	<0.5	1.407	7.8	4.1	<0.1	0.203	0.170	14.704	
TOTAL	271.890				98.332				23.677				43.617				6.279	5.285	455.810	2.79

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2025
 REPORT DUE: February 1, 2026
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan
 SAMPLES COLLECTED BY: SOCWA Lab
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 6:43

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Enterococcus	Material of Sewage Origin		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore							
S0	12/03/25	9:40	480	460	110	None	None	None	None	Brown		Slightly Turbid		
S1	12/03/25	9:55	<20	<20	32	None	None	None	None	Green		Slightly Turbid		
S2	12/03/25	10:24	100	40	20	None	None	None	None	Green		Slightly Turbid		
DSB5	12/03/25	10:31	2700	340	240	None	None	None	None	Brown		Slightly Turbid	Flowing	
S3	12/03/25	9:56	40	40	42	None	None	None	None	Green		Slightly Turbid		
DSB4	12/03/25	9:57	40	60	46	None	None	None	None	Green		Slightly Turbid		
S5	12/03/25	10:05	20	<20	10	None	None	None	None	Green		Slightly Turbid		
DSB1	12/03/25	10:09	40	<20	8	None	None	None	None	Green		Slightly Turbid		
SJC1	12/03/25	9:42	1300	1000	100	None	None	None	None	Green	61	Slightly Turbid	Flowing	

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2025
 REPORT DUE: February 1, 2026
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan
 SAMPLES COLLECTED BY: SOCWA Lab
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: Low Tide 7:15

Weather: Clear

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	None	None	None	None	None	None	None
S0	12/10/25	9:22	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S1	12/10/25	9:25	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S2	12/10/25	8:51	<20	<20	8	None	None	None	None	Green		Slightly Turbid		
DSB5	12/10/25	8:47	<20	<20	18	None	None	None	None	Green		Slightly Turbid		
S3	12/10/25	9:43	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB4	12/10/25	9:40	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S5	12/10/25	9:37	<20	<20	<2	None	None	None	None	Green	64	Slightly Turbid		
DSB1	12/10/25	9:48	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	12/10/25	9:15	90	90	170	None	None	None	None	Green		Slightly Turbid	Flowing	

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2025
 REPORT DUE: February 1, 2026
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan
 SAMPLES COLLECTED BY: SOCWA Lab
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 10:03

Weather: Overcast

COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml	CFU/100ml	CFU/100ml	Onshore	Offshore	Grease	Odor					
S0	12/17/25	9:05	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S1	12/17/25	9:01	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S2	12/17/25	9:18	<20	20	10	None	None	None	None	Green		Slightly Turbid		
DSB5	12/17/25	9:27	600	380	20	None	None	None	None	Green		Slightly Turbid		
S3	12/17/25	8:50	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB4	12/17/25	8:46	<20	<20	<2	None	None	None	None	Green	60	Slightly Turbid		
S5	12/17/25	8:38	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB1	12/17/25	8:31	<20	<20	<2	None	None	None	None	Green		Clear		
SJC1	12/17/25	9:08	40	20	<10	None	None	None	None	Green		Slightly Turbid		

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2025
 REPORT DUE: February 1, 2026
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan
 SAMPLES COLLECTED BY: SOCWA Lab
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 9:32
 Weather: Overcast
 COMMENTS: SJC1z flow due to confluence at mouth

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	None	None	None	None	None	None	None
S0	12/22/25	9:15	<20	<20	<2	None	None	None	None	Green		Turbid		
S1	12/22/25	9:20	<20	<20	<2	None	None	None	None	Green		Turbid		
S2	12/22/25	9:50	20	20	10	None	None	None	None	Green	64	Turbid		
DSB5	12/22/25	9:55	220	100	76	None	None	None	None	Green		Turbid		
S3	12/22/25	9:25	<20	<20	8	None	None	None	None	Green		Turbid		
DSB4	12/22/25	9:25	200	100	6	None	None	None	None	Green		Turbid		
S5	12/22/25	9:33	<20	<20	10	None	None	None	None	Green		Turbid		
DSB1	12/22/25	9:37	<20	<20	<2	None	None	None	None	Green		Turbid		
SJC1	12/22/25	9:10	<20	<20	<10	None	None	None	None	Green		Turbid	Flowing	

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: December 2025
 REPORT DUE: February 1, 2026
 SAMPLE SOURCE: Receiving water surf zone
 TYPE OF SAMPLE: Grab

REPORT FREQUENCY: Monthly
 EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan
 SAMPLES COLLECTED BY: SOCWA Lab
 SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 12:22
 Weather: Overcast
 COMMENTS:

STATION #	DATE	TIME	Total Coliform	Fecal Coliform	Entero-coccus	Material of Sewage Origin		Oil & Grease		Water	H2O	Water	Water	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	
S0	12/30/25	8:46	100	200	46	None	None	None	None	Green		Slightly Turbid		
S1	12/30/25	8:16	<20	<20	4	None	None	None	None	Green		Slightly Turbid		
S2	12/30/25	9:28	500	320	380	None	None	None	None	Green		Slightly Turbid		
DSB5	12/30/25	9:34	1400	440	1200	None	None	None	None	Brown	62	Turbid	Flowing	
S3	12/30/25	8:18	20	<20	10	None	None	None	None	Green		Slightly Turbid		
DSB4	12/30/25	8:19	40	<20	<2	None	None	None	None	Green		Slightly Turbid		
S5	12/30/25	8:25	20	<20	4	None	None	None	None	Green		Slightly Turbid		
DSB1	12/30/25	8:27	20	<20	8	None	None	None	None	Green		Slightly Turbid		
SJC1	12/30/25	8:47	1900	700	1300	None	None	None	None	Brown		Slightly Turbid	Flowing	

RECEIVING WATER LIMITATIONS: Single Sample Maximum - Total coliform density shall not exceed 10,000 per 100ml; Fecal coliform density shall not exceed 400 per 100ml; Enterococcus density shall not exceed 104 per 100ml.



San Juan Creek Ocean Outfall

Unified Beach Water Quality Monitoring Stations

SOCWA's NPDES discharge permit requires participation in the South Orange County Unified Beach Water Quality Monitoring Program. The monitoring stations below are tested by SOCWA at least once per week for Total and Fecal Coliform and Enterococcus Bacteria.

Station	Location
DSB 5	Doheny Beach – North Creek Outlet 1500' up-coast from SJCOO
S2	Doheny Beach- Midway between Jetty and San Juan Creek
SJC1	San Juan Creek Mouth – up-coast from SJCOO
S0	Doheny Beach at Outfall; surf line over SJCOO
S1	Doheny Beach Campground; 1,000' down-coast from SJCOO
DSB 4	Doheny State Beach; 1,900' down-coast from SJCOO
S3	South Day Use; 2000' down-coast from SJCOO
S5	Doheny Beach near overpass; 3000' down-coast from SJCOO
DSB 1	End of Doheny State Beach; 3500' down-coast from SJCOO

MONITORING REPORT

Offshore

South Orange County Wastewater Authority

DISCHARGE: San Juan Creek Ocean Outfall

Report For: December 2025

Report Frequency: Monthly

Report Due: February 1, 2026

Sample Source: Receiving water, nearshore and offshore

Sampling Frequency: Monthly

Exact Sample Points: As specified in permit

Type of Sample: Grab

Samples Collected By: Seaventures/SOCWA staff

Tide: High Tide 7:25

Samples Analyzed By: SOCWA Lab

Comments:

Station No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	
A-1	Surface	12/04/25	2	<2	<2	8:48	0	0	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Mid depth	12/04/25	<10	<10	10				
A-2	Surface	12/04/25	<2	<2	<2	8:37	0	0	
A-2	Mid depth	12/04/25	<10	<10	<10				
A-3	Surface	12/04/25	<2	<2	<2	8:58	0	0	
A-3	Mid depth	12/04/25	<10	<10	10				
A-4	Surface	12/04/25	2	2	<2	9:06	0	0	
A-4	Mid depth	12/04/25	<10	10	10				
A-5	Surface	12/04/25	6	28	20	8:53	0	0	
A-5	Mid depth	12/04/25	<10	20	10				
B-1	Surface	12/04/25	<2	<2	2	8:26	0	0	
B-1	Mid depth	12/04/25	<10	<10	<10				
B-2	Surface	12/04/25	28	22	6	9:17	0	0	
B-2	Mid depth	12/04/25	50	60	10				
N1	Surface	12/04/25	2	<2	2	8:14	0	0	
N2	Surface	12/04/25	2	<2	<2	8:09	0	0	
N3	Surface	12/04/25	<2	<2	<2	8:05	0	0	
N4	Surface	12/04/25	6	<2	2	7:57	0	0	
N5	Surface	12/04/25	4	<2	<2	7:50	0	0	
N6	Surface	12/04/25	24	8	2	7:43	0	0	

REQUIREMENT: (1) Floating particulates and grease and oil shall not be visible. (2) The discharge of waste shall not cause aesthetically undesirable discoloration of the ocean surface.

Receiving Water Limitations: (1)30-Day geometric mean of fecal coliform density not to exceed 200CFU/100 mL

calculated based on the five most recent samples from each site (2)single sample max not to exceed 400 CFU/100mL

(3) Enterococcus 6-week rolling geometric mean not to exceed 30 CFU/100 mL, calculated weekly. (4) Statistical threshold value (STV) of 110 CFU/100 mL for enterococcus not to be exceeded by more than 10% of samples collected in a calendar month, calculated in a static manner

Compliance Summary Report
San Juan Creek Ocean Outfall December 2025

SJCOO Permit Order No. R9-2025-0001							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
SMWD	12/27/2025	TSS	Average Weekly	mg/L	45 mg/L	92.6 mg/L	\$3,000
SMWD	12/27/2025	SS	Instantaneous Max	ml/L	3.0 ml/L	4.5 ml/L	\$3,000



SOCWA and MEMBER AGENCY FACILITIES SJCOO Spill / Overflow Report Log -December 2025 Order No. R9-2025-0001 ~ NPDES Permit No. CA0107417

Reporting Agency	Responsible Agency	Estimated Volume (Gallons)	Type of Discharge	Location/Comments	Receiving Waters	Date Reported To State	Date Resolved
No spills during this monitoring period.							

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
MNWD - RTP	1/7/2025	TDS	12 month	mg/L	1000	1212	
MNWD - RTP	1/7/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	1/7/2025	Manganese	Daily Maximum	mg/L	0.06	0.07	
SOCWA - CTP	1/7/2025	Manganese	12-Month	mg/L	0.05	0.09	
MNWD - 3A	10/2/2024	TDS	12 month	mg/L	1000	1213	Offline
MNWD - 3A	10/2/2024	Manganese	12 month	mg/L	0.05	0.10	Offline
SMWD-NWRP	1/15/2025	TDS	Daily Maximum	mg/L	1000	1200	
SOCWA - CTP	2/4/2025	Manganese	Daily Maximum	mg/L	0.06	0.08	
SOCWA - CTP	2/4/2025	Manganese	12 month	mg/L	0.05	0.09	
MNWD - RTP	2/4/2025	Manganese	Daily Maximum	mg/L	0.06	0.15	
MNWD - RTP	2/4/2025	Manganese	12 month	mg/L	0.05	0.13	
MNWD - RTP	2/4/2025	TDS	12 month	mg/L	1000	1189	
MNWD - 3A	10/2/2024	TDS	12 month	mg/L	1000	1213	Offline
MNWD - 3A	10/2/2024	Manganese	12 month	mg/L	0.05	0.10	Offline
MNWD - RTP	3/5/2025	TDS	12 month	mg/L	1000	1126	
MNWD - RTP	3/5/2025	Manganese	12-Month	mg/L	0.05	0.12	
MNWD - RTP	3/5/2025	Manganese	Daily Maximum	mg/L	0.06	0.10	
MNWD - 3A	3/5/2025	TDS	12 month	mg/L	1000	1174	
MNWD - 3A	3/5/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	3/5/2025	Manganese	Daily Maximum	mg/L	0.06	0.10	
SOCWA - CTP	3/4/2025	Manganese	Daily Maximum	mg/L	0.06	0.08	
SOCWA - CTP	3/4/2025	Manganese	12-Month	mg/L	0.05	0.08	
SMWD-NWRP	3/21/2025	TDS	12 month	mg/L	1000	1024	
SMWD-NWRP	3/21/2025	TDS	Daily Maximum	mg/L	1000	1153	
MNWD - RTP	4/8/2025	TDS	12 month	mg/L	1000	1088	
MNWD - RTP	4/8/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	4/8/2025	Manganese	Daily Maximum	mg/L	0.06	0.20	
MNWD - 3A	4/3/2025	TDS	12 month	mg/L	1000	1149	

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
MNWD - 3A	4/3/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	4/3/2025	Manganese	Daily Maximum	mg/L	0.06	0.12	
SOCWA - CTP	4/1/2025	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - CTP	4/1/2025	Daily Maximum	12-Month	mg/L	0.05	0.09	
SMWD-NWRP	4/17/2025	TDS	12 month	mg/L	1000	1075	
MNWD - RTP	5/6/2025	TDS	12 month	mg/L	1000	1023	
MNWD - RTP	5/6/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	5/6/2025	Manganese	Daily Maximum	mg/L	0.06	0.12	
MNWD - 3A	5/5/2025	TDS	12 month	mg/L	1000	1090	
MNWD - 3A	5/5/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	5/5/2025	Manganese	Daily Maximum	mg/L	0.06	0.09	
SOCWA - CTP	5/19/2025	Manganese	12-Month	mg/L	0.05	0.08	
SMWD-NWRP	5/13/2025	TDS	12 month	mg/L	1000	1048	
MNWD - RTP	6/2/2025	TDS	12 month	mg/L	1000	1008	
MNWD - RTP	6/2/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	6/2/2025	Manganese	Daily Maximum	mg/L	0.06	0.16	
MNWD - 3A	6/2/2025	TDS	12 month	mg/L	1000	1048	
MNWD - 3A	6/2/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	6/2/2025	Manganese	Daily Maximum	mg/L	0.06	0.12	
SOCWA - CTP	6/3/2025	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - CTP	6/3/2025	Manganese	Daily Maximum	mg/L	0.06	0.09	
SMWD-NWRP	6/25/2025	TDS	12 month	mg/L	1000	1032	
MNWD - RTP	7/1/2025	Manganese	12-Month	mg/L	0.05	0.12	
MNWD - RTP	7/1/2025	Manganese	Daily Maximum	mg/L	0.06	0.10	
MNWD - 3A	7/2/2025	TDS	12 month	mg/L	1000	1024	
MNWD - 3A	7/2/2025	Manganese	12 month	mg/L	0.05	0.09	
MNWD - 3A	7/2/2025	Manganese	Daily Maximum	mg/L	0.06	0.07	
SOCWA - CTP	7/1/2025	Manganese	12-Month	mg/L	0.05	0.08	
SMWD-NWRP	7/16/2025	TDS	12 month	mg/L	1000	1091	

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
TCWD	7/1/2025	MBAS	Daily Maximum	mg/L	0.06	4.30	
MNWD - RTP	8/5/2025	Manganese	12-Month	mg/L	0.05	0.12	
MNWD - RTP	8/5/2025	Manganese	Daily Maximum	mg/L	0.06	0.13	
MNWD - 3A	8/5/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	8/5/2025	Manganese	Daily Maximum	mg/L	0.06	0.13	
SOCWA - CTP	8/5/2025	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - CTP	8/5/2025	Manganese	Daily Maximum	mg/L	0.06	0.09	
SMWD-NWRP	7/16/2025	TDS	12 month	mg/L	1000	1003	
MNWD - RTP	9/1/2025	Manganese	12-Month	mg/L	0.05	0.12	
MNWD - RTP	9/1/2025	Manganese	Daily Maximum	mg/L	0.06	0.14	
MNWD - 3A	9/26/2025	Manganese	12 month	mg/L	0.05	0.10	
MNWD - 3A	9/26/2025	Manganese	Daily Maximum	mg/L	0.06	0.08	
SOCWA - CTP	9/2/2025	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - CTP	9/2/2025	Manganese	Daily Maximum	mg/L	0.06	0.08	
MNWD - RTP	10/6/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	10/6/2025	Manganese	Daily Maximum	mg/L	0.06	0.14	
SOCWA - CTP	10/7/2025	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - CTP	10/7/2025	Manganese	Daily Maximum	mg/L	0.06	0.09	
MNWD - 3A	9/26/2025	Manganese	12 month	mg/L	0.05	0.10	Offline
MNWD - 3A	9/26/2025	Manganese	Daily Maximum	mg/L	0.06	0.08	Offline
MNWD - RTP	11/3/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	11/3/2025	Manganese	Daily Maximum	mg/L	0.06	0.13	
SOCWA - CTP	11/4/2025	Manganese	12-Month	mg/L	0.05	0.08	
SOCWA - CTP	11/4/2025	Manganese	Daily Maximum	mg/L	0.06	0.11	
MNWD - 3A	9/26/2025	Manganese	12 month	mg/L	0.05	0.10	Offline
MNWD - 3A	9/26/2025	Manganese	Daily Maximum	mg/L	0.06	0.08	Offline
MNWD - RTP	12/1/2025	Manganese	12-Month	mg/L	0.05	0.13	
MNWD - RTP	12/1/2025	Manganese	Daily Maximum	mg/L	0.06	0.14	
SOCWA - CTP	12/2/2025	Manganese	12-Month	mg/L	0.05	0.08	

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
SOCWA - CTP	12/2/2025	Manganese	Daily Maximum	mg/L	0.06	0.07	
MNWD - 3A	9/26/2025	Manganese	12 month	mg/L	0.05	0.10	Offline
MNWD - 3A	9/26/2025	Manganese	Daily Maximum	mg/L	0.06	0.08	Offline

Recycled Water Report

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending: Dec 31, 2025

Constituent	Units	12-month Avg Maximum Permit Limit	TCWD 12-month Average	SMWD Oso 12-month Average	SMWD Chiquita 12-month Average	SMWD Nichols 12-month Average	MNWD-3A 12-month Average	MNWD-RTP 12-month Average	SCWD-CTP 12-month Average
TDS	mg/L	1000	816		905	920	898	861	727
Chloride	mg/L	375	222		245	273	228	192	153
Sulfate	mg/L	400	294		223	198	355	177	193
Sodium	mg/L	None	60		183	205		205	155
Alkalinity	mg/L	None	-	-	-	-		234	172
Adjusted SAR	Ratio	None	5.19		5.65	5.93	4.57	4.45	4.25
Iron	mg/L	0.3	0.062		0.125	0.100	0.20	0.286	0.152
Manganese	mg/L	0.05	0.002		0.043	0.012	0.10	0.131	0.081
MBAS	mg/L	0.5	<0.49		0.19	0.23	<0.05	<0.11	<0.09
Boron	mg/L	0.67	0.249		0.255	0.423	0.27	0.317	0.27
Fluoride	mg/L	None	0.89		0.54	0.56	0.75	0.76	0.54
Total Organic Carbon	mg/L	None	5.9		12.5	11.4	11.9	12.2	10.0

*** The CTP 12-month permit limits are listed below:

TDS 1200 mg/L
Chloride 400 mg/L
Sulfate 500 mg/L

SOCWA Service Area
Recycled Water Production (ac-ft)
2025

Agency	Facility or Region	Jan '25	Feb '25	Mar '25	Apr '25	May '25	Jun '25	Jul '25	Aug '25	Sep '25	Oct '25	Nov '25	Dec '25	Annual Totals
CSJC 1	3-A Plant/MNWD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CSJC 2	Chiquita/SMWD	12.90	1.91	4.31	19.45	21.06	24.54	30.49	30.26	38.37	39.77	22.23	15.87	261.17
CSJC 3	Non-Domestic Wel	30.43	14.44	18.76	33.64	50.52	59.51	66.21	66.45	48.90	15.11	3.86	4.63	412.46
ETWD	Region 8	76.42	28.25	39.53	113.74	154.52	200.91	258.40	242.44	185.71	97.63	53.03	39.30	1,489.89
IRWD														
4	IRWD - 8	135.30	38.33	37.59	135.62	178.24	203.03	280.41	221.64	258.15	201.25	97.93	87.36	1,874.86
4	IRWD - 9	53.53	18.46	20.85	64.04	70.76	80.72	114.75	113.14	99.92	67.95	40.26	27.78	772.15
SCWD	SOCWA CTP	54.89	19.84	35.36	62.63	70.54	68.33	101.59	99.61	82.06	46.70	24.83	25.12	691.51
MNWD	JRP	449.87	260.06	73.93	223.63	378.52	439.96	531.16	583.83	465.24	395.76	262.18	217.22	4,281.34
	3-A Plant	0.00	0.00	145.44	144.28	126.07	117.61	23.67	152.77	147.78	0.00	0.00	0.00	857.62
5	CTP	5.27	-1.23	9.09	22.13	19.90	4.28	13.67	14.69	14.07	0.00	0.00	0.00	101.87
SMWD	Oso Creek	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Chiquita	362.93	426.67	506.31	471.75	495.66	472.46	515.08	511.77	491.21	504.13	512.29	455.91	5,726.15
	Nichols	1.73	1.49	1.74	1.63	1.91	1.97	2.18	2.49	2.49	2.16	1.97	2.02	23.79
TCWD	RRWRP	37.50	35.59	41.56	39.15	39.67	38.45	24.77	37.70	38.01	37.98	40.22	40.24	450.83
TOTALS		1,220.77	843.82	934.45	1,331.69	1,607.37	1,711.77	1,962.39	2,076.77	1,871.90	1,408.45	1,058.79	915.45	16,943.63

1 Denotes transfer of recycled water from MNWD (3A Plant) for use in the CSJC service area. Not counted as additional production.
2 Denotes recycled water purchased from SMWD Chiquita-WRP used in the CSJC service area. Not counted as additional production.
3 Denotes nondomestic groundwater produced from wells used for landscape irrigation.
4 IRWD production is from recycled water production, nonpotable water wells, and surface water impoundments
5 Denotes transfer of recycled water from SCWD (SOCWA CTP) for use in the MNWD service area. Not counted as additional production.
Note: All of ETWD reclaimed water produced and used in Region 8.
NR = No Report

Pretreatment Report

Agenda Item

Legal Counsel Review: No

Meeting Date: February 5, 2026

TO: Board of Directors

FROM: Amber Boone, General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Monthly Pretreatment Report – January 2026
San Juan Creek Ocean Outfall
NPDES Permit #CA0107417 Order # R9-2022-0005
Aliso Creek Ocean Outfall
NPDES Permit #CA0107611 Order # R9-2022-0006

Summary of Program Activities

Staff continually update each Member Agency's (MA) Industrial Waste Survey (IWS) spreadsheet. Refer to the "Summary of IWS Activities" table below for details. Staff are also conducting targeted outreach to Dental User Establishments (DSEs) within each agency service area to obtain submittal of each One-Time Compliance Report. As of January 2026, SOCWA's overall compliance rate is 81 percent. A breakdown of the number of DSEs and reports received by agency service area is provided in the second table at the end of this report.

Staff are in process of compiling the 2025 annual pretreatment report and entering influent/effluent sampling data for eight treatment plants including SOCWA (JBL, CTP), SMWD (Chiquita), MNWD (RTP, 3A), CSC, IRWD (Alisos) and ETWD into the Water Information Management Solution (WIMS) database so it may be uploaded electronically to the State CA Integrated Water Quality System (CIWQS) database. Staff are additionally completing the narrative portion of the 2025 SOCWA Annual Pretreatment report. The final report in its entirety is due to the RWQCB-SD by March 1, 2026, and copy will be distributed to key service agency staff.

Permit Related Activities

The following Wastewater Discharge (WD) Permits, Special Wastewater Discharge (SWD) Permits, Nuisance Water-Special Wastewater Discharge (NSWD) Permits, Non-Industrial Wastewater Discharge (NIWD) forms, and BMP letters were issued or are in the process of being drafted for issuance:

SMWD – CR&R La Pata Transfer Station– SOCWA received a partial permit application for a proposed truck wash facility. To complete the application, staff requested confirmation of the wastewater generating processes, truck type and volume, and proposed pretreatment. Additionally, the applicant is required to characterize the wastewater through sampling of a similar sister site. As of January 2026, Staff has reviewed and approved the sister site sampling plan.

SOCWA/SMWD – San Juan Meadows – Staff is anticipating submittal of a discharge permit application for groundwater associated with new development on top of the former Forster Landfill

site. Staff participated in two virtual meetings on November 7, 2025, and December 11, 2025, with Geosyntec, consultants for the site, to discuss the application process.

SMWD - IMI Critical Engineering (Control Components) – WD Permit No. SMWD-2-001 – Staff received notice that IMI is relocating outside of the SOCWA service area and has sold its existing facility in Rancho Santa Margarita. IMI submitted its final self-monitoring report in January 2026, which included documentation of clarifier pumping completed on January 7, 2026. IMI also provided laboratory results from wastewater sampling conducted in December 2025, prior to clarifier pumping; all analytical results were compliant with SOCWA discharge limits. SOCWA will issue a permit termination letter upon verification that all wastewater-related equipment has been removed from the site.

Training and Meetings

Staff attend monthly OC Strike Force meetings to share and receive environmental case updates.

Staff attend monthly CWEA SARBS BOD meetings as the current pretreatment chair.

Inspections

MNWD – Staff is assisting with investigation of elevated sewer flows within the Crown Valley/I-5 wastewater shed. The inspection of Triumshire Century Center has been completed, and all unauthorized groundwater pumping to the sewer has ceased. Staff will next inspect additional locations within the sewer shed—beginning with the Shops at Mission Viejo—to identify any remaining illicit discharges.

SMWD – On January 15, 2026, staff conducted an inspection of Incendo LLC, located at 30222 Esperanza, to verify information provided in the will-serve application, which indicated that the facility would operate solely as a packaging and warehouse operation. During the inspection, staff determined that the site is operating as a juice manufacturing facility and is therefore required to submit a full wastewater discharge permit application.

Summary of IWS Activities in SOCWA’s Service Area - YTD through January 22, 2026

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSes	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	2	2	5	8	110	15	0	0	142
CSC (S)	8	10	35	18	185	1264	38	7	0	1550
CSJC (S)	3	0	27	58	141	1704	31	0	0	1962
ETWD (M)	0	0	88	0	261	144	50	0	0	499
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	1	6	51	21	63	915	18	0	0	1074
MNWD (S)	2	5	120	38	662	2146	156	0	0	3121
SMWD (S)	5	10	19	19	222	862	52	0	0	1182
SCWD (S)	0	7	33	7	148	186	15	0	0	397
TCWD (S)	0	0	11	0	7	33	2	0	0	51
SOCWA (S)	0	6	1	0	0	0		0	0	6
Totals	19	47	387	166	1697	7364	377	7	0	9985

(S) = SOCWA conducts PT program
(M) = MA conducts PT program /w SOCWA
(U) = Urban Diversion Only

NIWD = Non-industrial Waste Discharger
BMP = Best Management Practices
FSE = Food Service Establishment

YTD = Year to Date
OSE = Other Surveyed Establishment
DSE = Dental Surveyed Establishment

Summary of DSEs in SOCWA Agency Service Area

	Total DSEs	Reports Received	% Compliant
<u>CSC</u>	38	36	94.74
<u>IRWD</u>	18	12	66.67
<u>CLB</u>	15	12	80.00
<u>ETWD</u>	50	42	84.00
<u>SMWD</u>	52	33	63.46
<u>MNWD</u>	156	130	83.33
<u>SCWD</u>	15	14	93.33
<u>CSJC</u>	31	23	74.19
<u>TCWD</u>	2	2	100.00
Totals	377	304	80.64

Agenda Item

5.F.

Board of Directors Meeting

Meeting Date: February 5, 2026

TO: Board of Directors

FROM: Amber Boone, General Manager

STAFF CONTACT: Roni Grant, Capital Improvement Program Manager

SUBJECT: Capital Improvement Construction Projects Progress and Change Order Report (December) [Project Committees 2 and 15]

The status of the SOCWA Capital Improvement Program and construction projects progress are presented in the tables on the following pages. Below are updates for the previous month for the major construction projects currently underway at SOCWA facilities, including any change orders.

J.B. Latham Treatment Plant Electrical System Upgrades

Replacement of MCC-M and Plant 1 Standby Generator

Pre-purchasing activities for the Motor Control Center (MCC) and Plant 1 Generator are currently underway. Construction is anticipated to be completed by December 2026, contingent upon the issuance of the AQMD permit to construct for the generator.

J.B. Latham Treatment Plant Effluent Pump Station and Energy Building Upgrades

Replacement of effluent valves and piping; installation of monorail system, roof, safety and seismic retrofit in the Energy Building.

Construction is currently in progress. Construction is anticipated to be completed by July 2026. There are three change orders totaling \$3,399.20 associated with this project, bringing the total revised contract amount to \$3,097,299.20.

J.B. Latham Plant 2 Headworks Rehabilitation

Plant 2 Headworks Building rehabilitation including roof, channel coating, grating, HVAC system and misc. electrical upgrades.

Construction is currently in progress. Construction is anticipated to be completed by July 2026.

J.B. Latham Old Effluent Pump Station Staging and Repurposing

Demolition of the Old Effluent Pump Station and Repurpose into staging and storage area.

Construction is currently in progress. Construction is anticipated to be completed by July 2026.

CTP Aeration Deck Grating Replacement

Improvements to the aeration deck grating, including concrete repair and grating supports.

Construction has been completed at the end of December 2025.

CTP West Primary and Secondary Scum Skimming System

Replacement of the west primary and secondary scum skimmers, launders and weirs

Construction is currently in progress. Construction is anticipated to be completed by July 2026.

Coastal Treatment Plant Personnel Building Reconstruction

Improvements to Personnel Building including lockers, fixtures, ceilings, tiles and minor electrical items.

The revised bid is currently under review. Construction is anticipated to be completed by July 2026.

Coastal Treatment Plant Grit Tank Coating System Upgrades

Removal of the existing coating system and apply new coating system at the grit tanks.

The first phase of the construction has been completed. Phase 2 will be combined with the Foul Air System Upgrades project.

CTP Storm Drain Improvements

Improvements to the storm drain systems at CTP.

The bids are currently under review. Construction is anticipated to be completed by July 2026.

Recommended Action: Information only.

Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec	Jan - Mar	Apr - Jun
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SOCWA CIP Workplan

Project Number	Project Name	Project Budget	Status	FY 2025/2026				FY 2026/2027			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 2 - J.B. Latham Treatment Plant											
3215/3252	MCC M and Plant 1 Generator Replacement	\$ 4,406,903	Pre-procurement and design underway	D	D	D	B&A	C	C	C	C
3285	Main Plant Drain Line Reconstruction	\$ 500,000	Design underway	D	D	B&A	C	C	C		
32241L	Effluent Pump Station Storage and Staging Area	\$ 850,000	Bids under review	D	B&A	C	C	C			
32226L	Effluent Pump Station Upgrades	\$ 1,877,000	Construction underway	C	C	C					
32243L	Plant 2 Headworks Rehabilitation	\$ 2,200,000	Construction underway	C	C	C					
32262L	DAF Polymer System Upgrade	\$ 741,000	Planning underway	P	P	D	D	D	B&A	C	C
3216/32225C /32225S	Energy Building Upgrades	\$ 1,955,000	Construction underway	C	C	C					
32232S	Buried Digester Gas and Flare Piping Improvements	\$ 125,000	Design underway	D	D	D	D	B&A	C	C	C
32234S	Heat Exchanger 4 Pipe Replacement	\$ 75,000	Design underway	D	D	D	D	B&A	C	C	C
32224S	Truck Loading area, MCC 2 and CF Reconstruction	\$ 3,000,000	FY 26/27					P	P	D	D
32231S	Gas Flare Replacement	\$ 2,000,000	Design underway	D	D	D	D	B&A	C	C	C
32261S	Odor Control Scrubber No. 2 Replacement	\$ 2,000,000	Planning underway	P	P	D	D	D	B&A	C	C
32262S/32264S	Dewatering System Replacement	\$ 1,056,490	Planning underway	P	P	D	D				
32263S	Buried Digester Piping Reconstruction	\$ 250,000	Design underway	D	D	D	D	B&A	C	C	C
322236S	Digester 3 and 4 Upgrades and Coating	\$ 500,000	FY 26/27	P	P	D	D	B&A	C	C	C
32252S	Cogen 60K Overhaul	\$ 400,000	Construction completed	C	C						
PC 5 - San Juan Creek Ocean Outfall											
5059	Monitoring Vault Rehabilitation	\$ 165,000	FY 26/27					P	D	D	D
PC15 - Coastal Treatment Plant											
3541A	Export Sludge Environmental Mitigation	\$ 1,392,100	Mitigation work/permitting ongoing	ENV	ENV	ENV	ENV				
35242L	Grit Baffles and Diffusers	\$ 200,000	Phase 1 completed	B&A	C	C	C				
15820/15821	East Primary Tank Sludge Piping, Troughs and Scum Skimmers	\$ 275,000	Planning underway					P	D	D	D
3543	Export Sludge Pipeline Replacement at RTP	\$ 400,000	Planning underway	P	D	D	D	P	D	D	D

SOCWA CIP Workplan

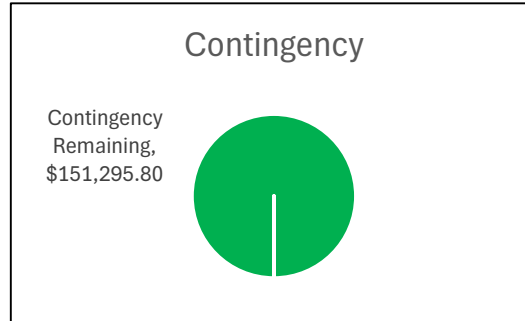
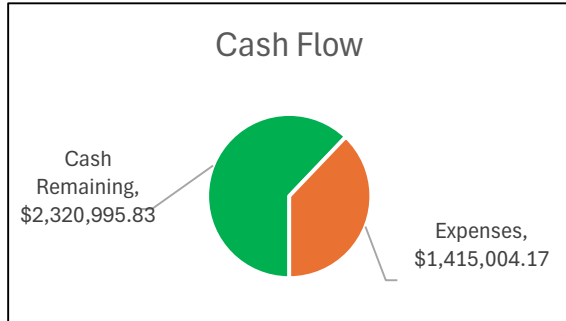
Project Number	Project Name	Project Budget	Status	FY 2025/2026				FY 2026/2027			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
35247L	Aeration Blower System Upgrades	\$ 142,657	Preliminary design underway	P	P	D	D	B&A	C	C	C
35246L/35239L	West Primary and Secondary Sludge Skimmers and Launderers/Weirs	\$ 1,750,000	Contract awarded	D	B&A	C	C				
35229L/35235L	Odor Control Scrubber/Foul Air System Reconstruction	\$ 1,650,000	Final design underway	D	D	D	B&A	C	C	C	C
3522AL	Drainage Pump Station	\$ 4,200,000	Final design underway	D	D	D	B&A	C	C	C	
3525	Personnel Building Reconstruction	\$ 911,586	Phase 1 completed, Phase 2 bidding underway	D	B&A	C	C				
35233L/35236L	Scum Pump Station and Wet well	\$ 300,000	FY 26/27					P	D	D	D
35234L	RAS/WAS Pump Station Repair	\$ 100,000	FY 26/27					P	P	D	D
35237L	Electrical Manhole/Cable Project	\$ 85,000	FY 26/27					P	P	D	D
15817	EQ Tank Liner Rehabilitation	\$ 300,000	FY 26/27					D	B&A	C	C
35248L	Access Road Repaving	\$ 950,000	Design underway	D	B&A	C	C				
35245L	Grating Replacement on Aeration/Secondary Deck	\$ 160,000	Construction completed	B&A	C	C	C				
PC 21 - Effluent Transmission Main											
3107/3108	Air Valve Replacement	\$ 911,424	Design/permitting underway	D	ENV	ENV	B&A	C	C		
31222B	Reach B Techite Pipe Replacement	\$ 657,000	RFP underway		P	D	D	D	C	C	C
3101/31221B	Trail Bridge Crossing	\$ 1,947,284	Planning/design underway	P	P	P	P	ENV	ENV	ENV	ENV
PC 24 - Aliso Creek Ocean Outfall											
542210	Outfall inspection, port cleaning and repairs	\$ 400,000	FY26/27					P	D	D	B&A
342220	Golf Course Road	\$ 45,000	Planning underway	D	D	B&A	C	C			

- P** Planning
- CA** Condition Assessment
- ENV** Environmental/Permitting
- D** Design
- B&A** Bidding and Award
- C** Construction

Project Financial Status

Project Committee	2
Project Name	Effluent Pump Station and Energy Building Upgrades
Project Description	Replacement of effluent valves and piping; installation of monorail, roof, safety upgrades and seismic retrofit in the Energy Building

Data Last Updated
January 15, 2026



Cash Flow

Collected	\$ 3,736,000.00
Expenses	\$ 1,415,004.17

Project Completion

Schedule	40%
Budget	37.87%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Pacific Hydrotech	21280	\$ 3,093,900.00	\$ 3,399.20		\$ 3,097,299.20	\$ 1,332,108.11
Carollo Engineers	20453	\$ 119,316.00			\$ 119,316.00	\$ 48,530.40
Project Partners	21283	\$ 12,500.00			\$ 12,500.00	
SOCWA Staff Time	32226L/32225S/3216					\$ 34,365.66
		\$ 3,225,716.00	\$ 3,399.20	\$ -	\$ 3,229,115.20	\$ 1,415,004.17

Construction Contingency

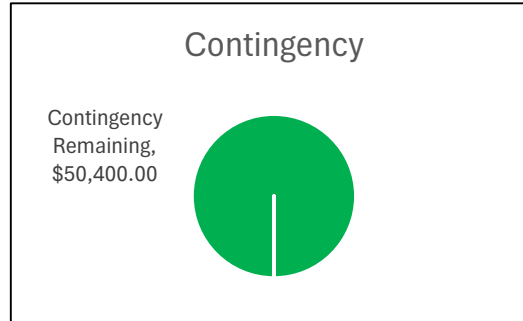
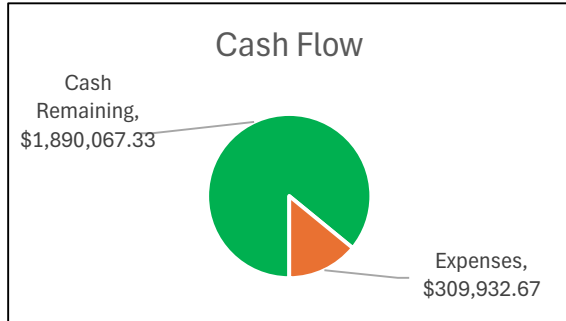
Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids/Solids/Common	32226L/32225S/3216	\$ 154,695.00	\$ 3,399.20	\$ 151,295.80	2.2%
		\$ 154,695.00	\$ 3,399.20	\$ 151,295.80	2.2%

Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
1	Pacific Hydrotech	32225S	Energy Building Guardrail mounting plate anchor conflicts	12/11/2025	0	\$ 31,955.35
2	Pacific Hydrotech	32226L	Effluent Pump Station Manifold Tee Addition	12/23/2025	0	\$ 9,432.35
3	Pacific Hydrotech	32226L	Effluent Pump Station Line Stop Deduct	12/23/2025	0	\$ -37,988.50
						\$ 3,399.20

Project Financial Status

Project Committee	2
Project Name	Plant 2 Headworks Rehabilitation - 32243L
Project Description	Plant 2 Headworks building roof replacement, channel concrete repair and cover replacement, and electrical modification

Data Last Updated January 15, 2026
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Cash Flow

Collected	\$ 2,200,000.00
Expenses	\$ 309,932.67

Project Completion

Schedule	20%
Budget	14.07%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Pacific Hydrotech		\$ 2,149,600.00			\$ 2,149,600.00	\$ 277,289.41
Dudek Engineers	20250	\$ 47,858.00			\$ 47,858.00	\$ 8,017.50
Project Partners	21283	\$ 5,000.00			\$ 5,000.00	
SOCWA Staff Time	32243L					\$ 24,625.76
		\$ 2,202,458.00	\$ -	\$ -	\$ 2,202,458.00	\$ 309,932.67

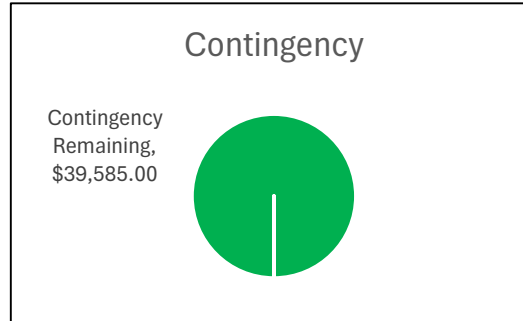
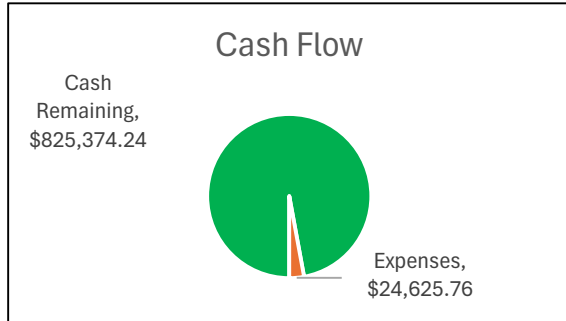
Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	32243L	\$ 50,400.00		\$ 50,400.00	0.0%
		\$ 50,400.00	\$ -	\$ 50,400.00	0.0%

Project Financial Status

Project Committee	2
Project Name	Effluent Pump Station Stroage and Staging Area (32241L)
Project Description	Demolition of the existing Effluent Pump Station and Repurpose into parking and storage area

Data Last Updated
January 15, 2026



Cash Flow

Collected	\$ 850,000.00
Expenses	\$ 24,625.76

Project Completion

Schedule	20%
Budget	3.01%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Pacific Hydrotech		\$ 791,700.00			\$ 791,700.00	
Z&K/Ardurra	21446	\$ 26,640.00			\$ 26,640.00	
SOCWA Staff Time	32241L					\$ 24,625.76
		\$ 818,340.00	\$ -	\$ -	\$ 818,340.00	\$ 24,625.76

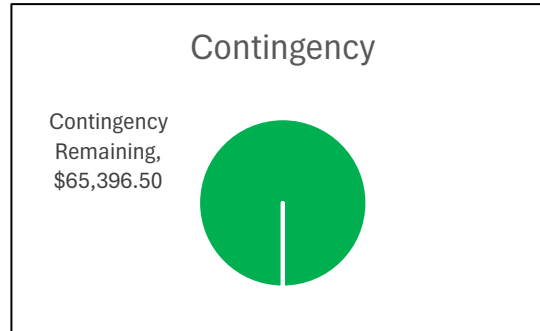
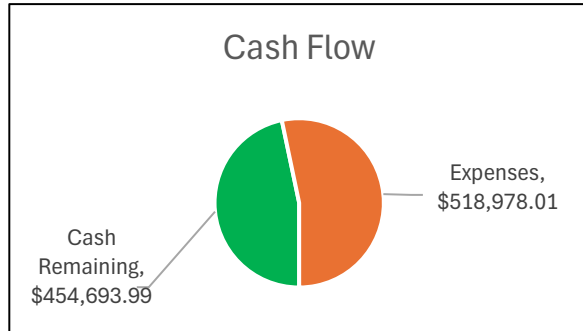
Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	32241L	\$ 39,585.00		\$ 39,585.00	0.0%
		\$ 39,585.00	\$ -	\$ 39,585.00	0.0%

Project Financial Status

Project Committee	2
Project Name	Electrical System Upgrades - 3252
Project Description	Electrical System upgrades including MCC and Plant 1 Generator

Data Last Updated
January 15, 2026



Cash Flow

Collected	\$ 973,672.00
Expenses	\$ 518,978.01

Project Completion

Schedule	40%
Budget	63%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Quinn Power	20975	\$ 414,940.00			\$ 414,940.00	\$ 264,999.15
Pacific Parts	20561	\$ 239,025.00			\$ 239,025.00	\$ 56,331.22
Hazen	14331	\$ 164,350.00			\$ 164,350.00	\$ 147,154.49
SOCWA Staff Time	3252					\$ 50,493.15
		\$ 818,315.00	\$ -	\$ -	\$ 818,315.00	\$ 518,978.01

Construction Contingency

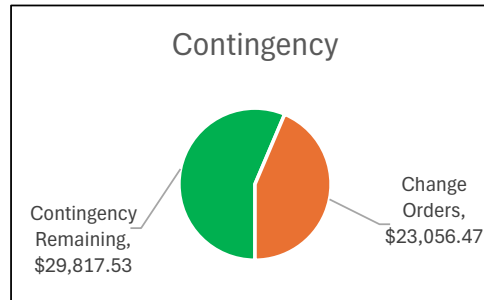
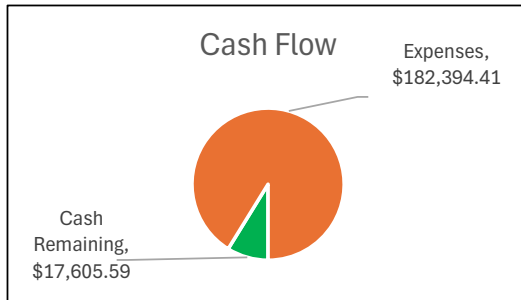
Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3252	\$ 65,396.50		\$ 65,396.50	0.0%
		\$ 65,396.50	\$ -	\$ 65,396.50	0.0%

Project Financial Status

Project Committee	15
Project Name	Grating Replacement on Aeration/Secondary Deck - 35245L
Project Description	Replacement of grating on west aeration/secondary deck

Data Last Updated

January 15, 2026



Cash Flow

Collected	\$ 200,000.00
Expenses	\$ 182,394.41

Project Completion

Schedule	95%
Budget	91%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
SS Mechanical	20588	\$ 147,126.00	\$ 23,056.47		\$ 170,182.47	\$ 161,673.35
Project Partners	20877	\$ 25,000.00			\$ 25,000.00	\$ 9,759.00
Steve Andrews	20332	\$ 2,818.00			\$ 2,818.00	\$ 483.00
SOCWA Staff Time	35245L					\$ 10,479.06
		\$ 174,944.00	\$ 23,056.47	\$ -	\$ 198,000.47	\$ 182,394.41

Construction Contingency

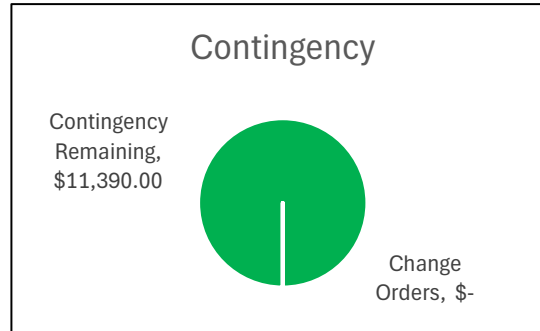
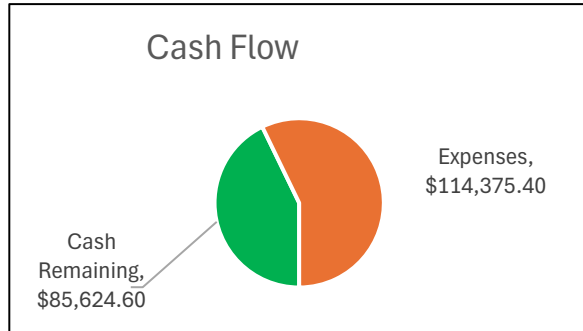
Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	35245L	\$ 52,874.00	\$ 23,056.47	\$ 29,817.53	43.6%
		\$ 52,874.00	\$ 23,056.47	\$ 29,817.53	43.6%

Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
1	SS Mechanical	35245L	316L SST angle in lieu of 304L SST angle at the Step-Feed Channel	1/8/2025	94	\$ 2,235.25
2	SS Mechanical	35245L	Change Secondary effluent grating from 1-inch to 1.5"	1/31/2025	89	\$ 8,639.53
3	SS Mechanical	35245L	Removal and Replacement of Rebar without proper edge clearances	7/9/2025	90	\$ 12,181.69
						\$ 23,056.47

Project Financial Status

Project Committee	15
Project Name	Grit Tanks Coating Upgrades (35242L)
Project Description	Coating of grit tanks

Data Last Updated
January 15, 2026



Cash Flow

Collected	\$ 200,000.00
Expenses	\$ 114,375.40

Project Completion

Schedule	50%
Budget	57%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Murphy Coating	21425	\$ 113,894.00			\$ 113,894.00	\$ 113,984.00
SOCWA Staff Time	35228L					\$ 391.40
		\$ 113,894.00	\$ -	\$ -	\$ 113,894.00	\$ 114,375.40

Construction Contingency

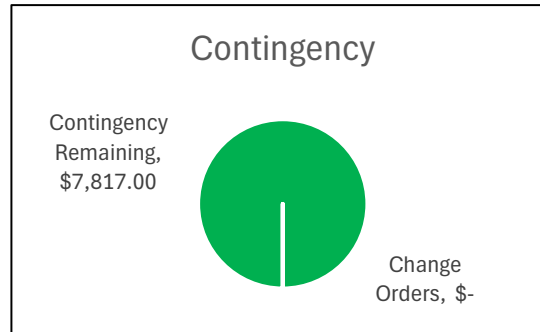
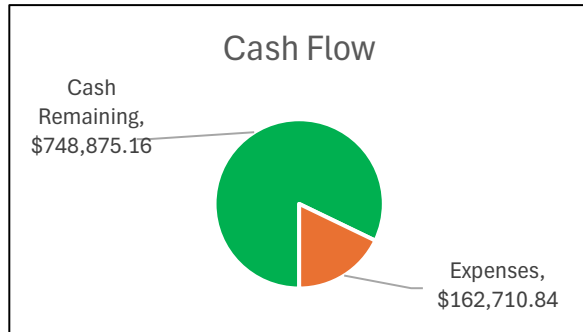
Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	35242L	\$ 11,390.00		\$ 11,390.00	0.0%
		\$ 11,390.00	\$ -	\$ 11,390.00	0.0%

Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
1	Filanc	35228L	Contract Extension	4/4/2024	273	\$ -
2	Filanc	35228L	Solids removal in basins	1/25/2025	60	\$ 25,725.84

Project Financial Status

Project Committee	15
Project Name	Personnel Building Reconstruction - 3525
Project Description	Personnel building reconstruction including fixtures, lightings, ceiling, tiles and minor electrical

Data Last Updated
January 15, 2026



Cash Flow

Collected	\$ 911,586.00
Expenses	\$ 162,710.84

Project Completion

Schedule	100%
Budget	18%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
T.E. Roberts	20930	\$ 78,165.00			\$ 78,165.00	\$ 78,165.00
Project Partners	20877	\$ 35,000.00			\$ 35,000.00	\$ 26,633.50
ProjectLine	19827	\$ 31,150.00				\$ 30,266.50
SOCWA Staff Time	3525					\$ 27,645.84
		\$ 144,315.00	\$ -	\$ -	\$ 113,165.00	\$ 162,710.84

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	3525	\$ 7,817.00		\$ 7,817.00	0.0%
		\$ 7,817.00	\$ -	\$ 7,817.00	0.0%

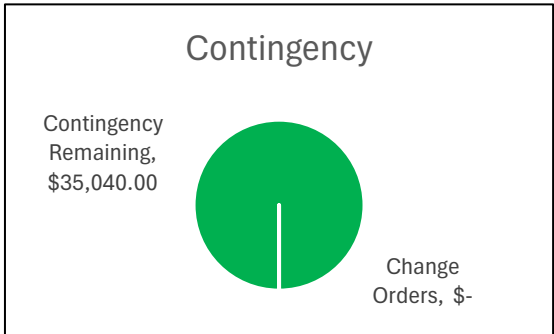
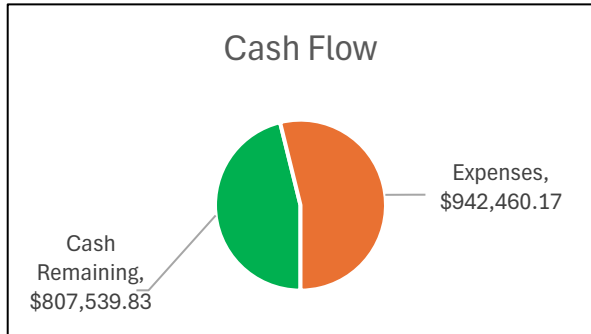
Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
						\$ -

Project Financial Status

Project Committee	15
Project Name	West Primary and Secondary Sludge Skimming System - 35246L/35239L
Project Description	Replacement of west primary and secondary sludge skimming system

Data Last Updated

January 15, 2026



Cash Flow

Collected	\$ 1,750,000.00
Expenses	\$ 942,460.17

Project Completion

Schedule	50%
Budget	54%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Filanc		\$ 784,000.00			\$ 784,000.00	
Brentwood	20496	\$ 930,960.00			\$ 930,960.00	\$ 930,960.00
Z&K/Ardurra	21446	\$ 39,860.00			\$ 39,860.00	
SOCWA Staff Time	35246L/35239L					\$ 11,500.17
		\$ 970,820.00	\$ -	\$ -	\$ 1,754,820.00	\$ 942,460.17

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	35246L/35239L	\$ 35,040.00	\$ -	\$ 35,040.00	0.0%
		\$ 35,040.00	\$ -	\$ 35,040.00	0.0%

Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount

Agenda Item

6.A.

Board of Directors Meeting

Meeting Date: February 5, 2026

TO: Board of Directors

FROM: Amber Boone, General Manager

STAFF CONTACT: Roni Young Grant, Capital Improvement Program Manager

SUBJECT: Contract Award for Coastal Treatment Plant Personnel Building Phase 2 Upgrades [Project Committee 15]

Overview

The existing Coastal Treatment Plant (CTP) Personnel Building has deteriorated and needs rehabilitation. The results of the third attempt to secure bids/proposals for building upgrades were presented at the November 13, 2025, Engineering Committee Meeting. Staff recommended additional negotiant with the apparent low-bidder T. E. Roberts. This agenda presents the results of the negotiation along with recommendations.

Background

The Personnel Building was originally constructed in the late 1960's as the Control Building for the Coastal Treatment Plant. The building included laboratory and chlorination facilities. The building is a single-story wood and brick frame building set on a concrete slab foundation. The building was modified to its current form during a plant expansion project in the late 1980's. The proposed project is largely based on a condition assessment completed by V&A Consulting Engineers in 2019. Phase 1 of the project entailed the installation of new underground sewer piping and was completed in 2024.

Project Scope

The Phase 2 upgrades include the following items as bid in October 2025:

- Backfill and repair of concrete floors slabs associated with Phase 1 sewer improvements
- Rehabilitation of concrete flooring in Workshop and Utility Rooms
- Demolition and reconstruction of walls in Restrooms and Shower Rooms
- Replacement of interior doors, frames and associated appurtenances
- Replacement of plumbing fixtures
- Demolition and improvements of the floor, ceiling and lighting system
- Electrical system improvements
- Sewer and vent system demolition and improvements
- Cold and hot water system demolition and improvements
- Power and lighting system improvements.

Bidding and Negotiation

SOCWA originally attempted to procure bids for the Phase 2 Upgrades in April 2025, via the PlanetBids platform. No bids were received through this effort. SOCWA subsequently attempted to get quotes from two contractors familiar with the project site: T.E. Roberts, who successfully completed Phase 1 of the project, and S.S. Mechanical, a general contractor that had also been performing work at CTP. T. E. Roberts submitted a quote of \$497,908.00. S.S. Mechanical declined to submit a quote due to their workload.

SOCWA again sought bids for the Coastal Treatment Plant Phase 2 – Reconstruction in the fall of 2025. Bidding documents were transmitted to ten general contractors on August 28, 2025. The invited group included seven general building contractors that had been recommended by Engineering Committee representatives. Two bids were received on October 23, 2025, as presented in Table 1. Salient LLC (Bruce King Services) was unable to obtain a bid bond. T.E. Roberts submitted the only fully responsive bid.

The November 2025 bid by T. E. Roberts was \$253,528 higher than the earlier proposal received from Roberts. This difference was in part due to increases in the project scope. After giving a presentation to the Engineering Committee in November 2025, SOCWA staff and T.E. Roberts management performed a detailed review of the bid. It was determined that the following items would be removed from scope of work:

- Replacement of interior doors
- Resealing of the Workshop and Utility Room concrete floors
- Removal, sandblasting, and reinstallation of lockers.

In addition, it was proposed that the two allowances included in the contract were redundant with the SOCWA procedure of setting aside a contingency award of the construction contract.

A revised proposal was received on January 9, 2026. The values in the revised proposal are presented in Table 1. The revised proposal cost is lower than the October bid by slightly over \$100,000.

Table 1- Summary of Bids and Revised Proposal

Item No.	Description	Bids Received October 2025		Proposal Received January 2026
		Salient LLC	TE Roberts	TE Roberts
1	Mobilization/Demobilization	\$102,538	\$33,469	\$31,327
2	Demolition and disposal per the plan	\$36,000	\$52,022	\$48,692
3	Replacement of plumbing fixtures	\$126,000	\$50,000	\$46,800
4	Replacement of floor, wall tiling, and baseboard	\$52,500	\$99,912	\$93,517
5	Replacement of vinyl flooring and molding	\$7,588	\$10,600	\$9,922
6	Rehabilitation of concrete flooring in Workshop and Utility Room	\$9,975	\$7,422	\$0
7	Backfill and repair of concrete floor slabs	\$8,800	\$75,473	\$73,637
8	Demolition and reconstruction of walls in Restrooms and Shower Rooms	\$52,925	\$53,172	\$49,618
9	Replacement of interior doors	\$16,000	\$17,960	\$0
10	Refurbishment of bench and lockers and replacement of partitions	\$8,000	\$91,017	\$70,584
11	Reconstruction of suspended ceiling	\$15,500.5	\$12,278	\$11,492
12	Replacement of lighting and power supply systems	\$111,767	\$78,463	\$73,411
13	Modification of the sewer and vent system	\$16,000	\$62,500	\$58,500
14	Modification of the cold and hot water systems	\$11,000	\$63,750	\$59,670
15	All other items necessary to complete the work		\$23,409	\$22,678
16	Repair of structural deficiencies	\$5,000	\$5,000	\$0
17	Modifications of ventilation system	\$15,000	\$15,000	\$0
	Total Bid	\$594,594	\$751,447	\$649,848

Cost Allocation

The cost allocation associated with awarding the construction contract based on the January 2026 proposal is presented in Table 2.

Table 2 – Cost Allocation by Member Agency

Agency	PC 15 Liquids (L)
City of Laguna Beach	\$352,867.46
Emerald Bay Service District	\$19,495.44
South Coast Water District	\$277,485.10
Total	\$649,848.00

Budget

The budget for the CTP Personnel Building is \$911,586. The budget impact for award of the construction contract will involve the related expenses as shown in Table 3. The Phase 1 expense is \$96,390 up to date.

Table 3 – Budget Impacts of Construction Cost Award

Cost Item	Percentage of Construction Contract	Cost
Construction Contract		\$649,848.00
Construction Contingency	15%	\$97,500.00
Construction Services	10%	\$65,000.00
Total		\$812,348.00

Prior Related Project Committee or Board Action (s)

This item was reviewed and discussed by the Engineering Committee on January 22, 2026.

Recommended Action: The Engineering Committee recommend that the PC 15 Board Directors:

1. Authorize execution of a construction contract with T.E. Roberts in the amount of \$649,848.00.
2. Approve a contract contingency of \$97,500 to address any unforeseen conditions encountered during the work.

Attachment: TE Roberts Re-Bid



17771 Mitchell North
Irvine, CA 92614
Phone (714) 669-0072 | Fax(714)200-0241
estimating@teroberts.com

REBID REBID

DATE

January 9, 2026

TO:

South Orange County Wastewater Authority
Attention: Roni Young Grant
34156 Del Obispo Street
Dana Point, CA 92629

JOB DESCRIPTION:

Coastal Treatment Plant (CTP) Personnel Building Phase 2
Reconstruction Rebid - REBID

JOB LOCATION:

Coastal Treatment Plant -
28303 Alicia Parkway, Laguna Niguel, CA 92677

ITEM	DESCRIPTION	QTY	UNIT	BID UNIT	TOTAL
1	Mobilization and demobilization (SNE 5%)	1	LS	\$ 31,327.00	\$31,327.00
2	Demolition and disposal	1	LS	\$ 48,692.00	\$48,692.00
3	Replacement of plumbing fixtures	1	LS	\$ 46,800.00	\$46,800.00
4	Replacement of floor, wall tiling, and baseboard	1	LS	\$ 93,517.00	\$93,517.00
5	Replacement of vinyl flooring and moulding	1	LS	\$ 9,922.00	\$9,922.00
6	Rehabilitation of concrete flooring in Workshop and Utility Room	1	LS	\$ -	\$0.00
7	Backfill and repair of concrete floor slabs	1	LS	\$ 73,637.00	\$73,637.00
8	Demolition and reconstruction of walls in Restrooms and Shower Rooms	1	LS	\$ 49,618.00	\$49,618.00
9	Replacement of interior doors	1	LS	\$ -	\$0.00
10	Refurbishment of bench and lockers and replacement of partitions	1	LS	\$ 70,584.00	\$70,584.00
11	Reconstruction of suspended ceiling	1	LS	\$ 11,492.00	\$11,492.00
12	Replacement of lighting and power supply systems	1	LS	\$ 73,441.00	\$73,441.00
13	Modification of the sewer and vent system	1	LS	\$ 58,500.00	\$58,500.00
14	Modification of the cold and hot water systems	1	LS	\$ 59,670.00	\$59,670.00
15	All other items necessary to complete the work, that are not described in Bid Items 1 through 14	1	LS	\$ 22,678.00	\$22,678.00
16	Repair of structural deficiencies as identified by the Owner for the Not to Exceed Price of	1	LS	\$ -	\$0.00
17	Modifications of ventilation system as identified by the Owner for the Not to Exceed Price of	1	LS	\$ -	\$0.00
TOTAL					\$649,878.00

Note:

Exclusions (if selected below, it indicates that it is not included in the price stated above):

- | | |
|---|--|
| <input checked="" type="checkbox"/> Permits, bonds, inspection fees, connection fees, assessment fees, engineering fees, all other fees | <input type="checkbox"/> Demolition of existing onsite improvements unless specified in our bid proposal |
| <input checked="" type="checkbox"/> Engineering, staking and compaction testing | <input checked="" type="checkbox"/> Erosion control and SWPPP |
| <input checked="" type="checkbox"/> Construction water and meter (minimum 2" service line required) | <input checked="" type="checkbox"/> Tunnelling of existing utilities not shown on plans |
| <input checked="" type="checkbox"/> Traffic control plan, striping or raised pavement markers | <input checked="" type="checkbox"/> Damage to message boards not caused by T.E. |
| <input checked="" type="checkbox"/> Rock, hardpan, excessively hard ground excavation, or screening of backfill | <input checked="" type="checkbox"/> Raised pavement markers |
| <input checked="" type="checkbox"/> Imported backfill and drying of trench excavated material that has over optimum moisture content | <input checked="" type="checkbox"/> Removal of temporary striping |
| <input checked="" type="checkbox"/> Dewatering of any groundwater | <input checked="" type="checkbox"/> Any costs associated with railroad working |
| <input checked="" type="checkbox"/> Door scope | <input checked="" type="checkbox"/> Removal, sandblasting, and reinstallation of lockers |
| <input checked="" type="checkbox"/> Floor Sealer | <input checked="" type="checkbox"/> Allowances |

Adryan Gutierrez, Estimator

T.E. Roberts, Inc.

Accepted By:

Agenda Item

6.B.

Board of Directors Meeting

Meeting Date: February 5, 2026

TO: Board of Directors

FROM: Amber Boone, General Manager

STAFF CONTACT: Roni Young Grant, Capital Improvement Program Manager

SUBJECT: Effluent Transmission Main Reach B Techite Pipe Replacement Final Design [Project Committee 21]

Overview

The Effluent Transmission Main (ETM) Reaches A, B, and C were originally constructed with Techite, a brand of glass fiber reinforced polymer mortar pipe (RPMP) manufactured between 1967 and 1984. Techite has a history of structural failures across California and nationwide, leading to multiple lawsuits and eventual discontinuation of its manufacture. Pressurized segments of the ETM have already experienced failures requiring emergency repairs, underscoring the need of replacement.

Although all three reaches contain Techite pipe, this project focuses on Reach B, which is pressurized and presents the highest risk of sudden failure. Reach A, owned and operated by IRWD, is being addressed separately by IRWD, while Reach C is a gravity main and poses less immediate risk. As part of this project, SOCWA intends to include the installation of a new isolation valve at the Reach A and Reach B connection to facilitate IRWD's future Reach A rehabilitation work and minimize operational impacts to ETWD during any future Reach A shutdowns.

The final design project elements include the following:

- Project Management
- Progress Meetings
- Data Request and Review
- Street Alignment Alternatives Analysis
- Conceptual Design
- Comprehensive Geotechnical Soils Report
- Plans and Specifications
- 60% Design
- 90% Design
- Final Design
- Easement Acquisition Support

- Bidding Services

Proposals

SOCWA solicited proposals through PlanetBids on October 13, 2025. Eight firms were contacted during this process:

- BKF Engineers
- Civiltech
- CDM Smith
- Dudek
- HDR Engineering
- JIG Consultants
- MKN & Associates
- West Yost

Two proposals were received from BKF/Civiltech and MKN. Staff reached out to the firms who did not propose. The timeline did not work for those firms.

The proposals were distributed to the evaluation committee (ETWD, IRWD and SOCWA staff) on January 14, 2026. Interviews with BKF/Civiltech and MKN were conducted on January 27, 2026, at the ETWD Headquarters. Both ETWD and IRWD selected BKF/Civiltech due to the following:

- Exceptional technical expertise in high-risk pipeline projects
- Proven ability to maintain continuous operations and minimize impacts
- Highly qualified, experienced project leadership
- A well-prepared and thoughtful interview demonstrating a strong mastery of the project scope, risks, and constraints
- Innovative and practical design approaches that are expected to reduce construction risk and result in long-term cost savings

During the interview, BKF demonstrated a clear understanding of the complexities associated with replacing a pressurized Techite pipeline within both public right-of-way and private golf course property. BKF also presented several innovative concepts related to constructability, sequencing, and risk management that staff believes will help minimize change orders, reduce construction duration, and ultimately lower total project costs. Additionally, BKF indicated their willingness to revise the scope of services and associated fees to better align with ETWD/IRWD expectations while maintaining the integrity of the final design.

A summary of proposals is in Table 1:

Table 1 – Summary of Proposals

Firm	BKF/Civiltech	MKN
Project Manager	Nancy Baker	Kevin Saleh
Labor Hours	1,805	729*
Total Fee**	\$517,713	\$275,068

*Subconsultants hours were not included in the total labor hours.

**Includes potholing, which both consultants proposed as an optional task.

Cost Allocation

The cost allocation associated with awarding the design contract, including Optional Task A – pothole investigations, is presented in Table 2. Staff is requesting an additional 10% contingency, in the amount of \$51,771, to address any unforeseen conditions during the work. For a total project authorization of \$569,484.

Table 2 – Cost Allocation by Member Agency

Agency	PC 21 (31222B-000)
El Toro Water District	\$517,713

Budget

The ETM Reach B/C Techite Replacement (31222B-000) has a project budget of \$657,000.

Prior Related Project Committee or Board Action (s)

This item was reviewed and discussed by the Engineering Committee on January 22, 2026.

Recommended Action: Staff recommends that the PC 21 Board Directors:

1. Authorize execution of a final design contract with BKF in the amount of \$517,713.
2. Approve a contract contingency of \$51,771, for a total project authorization of \$569,484 to address any unforeseen conditions and optional tasks if needed during the work.

Attachments:

BKF/Civiltech Scope and Fee
MKN Scope and Fee

PROJECT UNDERSTANDING AND APPROACH TO THE WORK

SCOPE OF SERVICES (REVISED)

The following Scope of Services represents the revisions to the scope of services presented in BKF's project proposal dated January 14, 2026, to capture items discussed in the interview presentation. SOCWA's RFP included a Scope of Services which appears to cover all project design components. To conserve space and conform to SOCWA's page limit, we chose not to include the Scope of Services herein. BKF accepts the Scope of Services, with the following exceptions, additions, and clarifications.

TASK 5 – CONCEPTUAL DESIGN

BKF will prepare a draft Conceptual Design Memorandum (CDM) that establishes the alignment through the Laguna Woods Golf Course and the recommended street alignment alternative. The CDM will provide the following:

- A. Layout and Constructability: Conceptual pipeline layout with high level review of equipment requirements, contractor staging and laydown areas, construction access routes, haul routes, staging areas, traffic control needs, night work considerations, bypass pumping requirements, tie-in locations, and restoration of golf course features (greens, tees, irrigation).
- B. Permitting: Identification and summary of required permits and approvals, including lead agencies, expected permit timelines, and potential schedule constraints.
- C. Isolation Valve: Evaluate and incorporate the installation of a new isolation valve at Reach A connection to Reach B. The purpose of the valve is to facilitate IRWD's future Reach A rehabilitation project and reduce operational impacts to ETWD during any Reach A shutdowns. The CDM will assess the optimal location, configuration, and constructability of the valve installation, identify tie-in requirements, and include the valve in the project's layout, cost estimate, and construction sequencing plan.
- D. Easements: Identification of new permanent and temporary easements.
- E. Risk Analysis: Provide a summary of risks for the proposed project and outline recommended mitigation measures.

TASK 9 - PROFESSIONAL LAND SURVEYING SERVICES

Boundary Survey: A current boundary survey will be conducted of the subject property(s) APN(S): ~~616-021-036~~, 616-021-016 & 616-021-003. See Figure 6 for parcel map for the boundary survey. The survey will be based on a current preliminary title report and support documents. Existing survey monuments will be located and compared against the record documents to confirm the property limits. In addition, existing easements referenced in said title report will be plotted in relation to the boundary, as applicable.

Record of Survey: Based on initial research, it does not appear that the property(s) APN(S) 616-021-016, & 616-021-003 have been mapped in their current configuration on any previously recorded subdivision map, official map, or record of survey filed with the County. Therefore, in accordance with Section 8762 of the State of California Business and Professions Code (The Land Surveyor's Act) it is anticipated that a Record of Survey will be required. The Record of Survey will be prepared and filed with the County and

PROJECT UNDERSTANDING AND APPROACH TO THE WORK

will serve as an added benefit in memorializing the boundary survey as a matter of public record. No new monuments are budgeted in this effort as it is anticipated that sufficient monuments exist to control this site for boundary purposes

Aerial Topography: Current aerial topography and existing planimetrics data will be obtained for the site. The photography will be flown for use at a scale of 1" = 20', with contours compiled at 1-foot intervals. Spot elevations and existing site features identifiable from photography will also be compiled. To provide sufficient coverage for design, the aerial limits will extend to cover proposed aerial limits included in Figure 7. This line item includes the field work to set horizontal and vertical control required for the aerial effort, which will be based on an assumed horizontal basis, and available local agency vertical datum. A color digital ortho-photo will be prepared from the photography. The ortho-photo will be a rectified image to closely match the compiled topography, providing the capability to prepare accurate, color exhibits on subsequent efforts.

Supplemental Topography: As a supplement to the aerial effort, conventional ground survey will be used to spot verify the aerial topography and obtain additional detail in key areas. The supplemental data will be used in conjunction with the aerial mapping to create a single topographic map that will be used as the basis for design. **Includes one (1) day for supplemental survey.**

Deliverables will include:

- A digital CAD file containing the resulting data
- Digital TIFF image(s) of ortho-photography along with corresponding geo-referenced World files to allow for seamless integration of the photo into the compiled topography and other drawings.

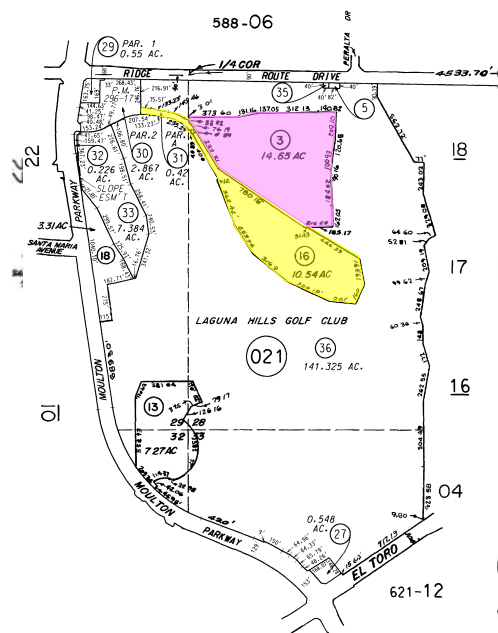


Figure 6 – Boundary Survey Parcel Map



Figure 7 – Aerial Survey Limits

PROJECT UNDERSTANDING AND APPROACH TO THE WORK

OPTIONAL TASK A – POTHOLING SERVICES DURING DESIGN

In the event subsurface investigation to locate critical utility crossing is required during the design period, BKF has partnered with T2 Utility Engineers (T2UE) as a subcontractor to excavate up to ~~ten (10)~~ **six (6)** potholes up to 130ft deep, using air-vacuum methods along the proposed project alignment on an as-needed-basis. Work includes permitting, turf/pavement restoration as required, and traffic control, as required. The final quantity may vary based on field conditions and design requirements. Task includes survey, if required, to determine pothole locations.

OPTIONAL TASK B -STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

The total disturbed area is not anticipated to exceed an acre in size. However, we have included a task to prepare a SWPPP if required. As a part of this task, a qualified Storm Water Pollution Prevention Plan Developer (QSD) will prepare a SWPPP for the project to address stormwater concerns during construction activities. The preparation of the SWPPP will include a risk assessment of construction activities and the downstream receiving waters to establish the project's Risk Level. The SWPPP will include a narrative describing proposed construction BMPs and their effectiveness in meeting the Statewide General Construction Permit requirements. The SWPPP will include a site plan that will depict the recommended construction BMPs intended to manage the stormwater that enters and exits the site during construction. This task also provides for the filing and processing of the Notice of Intent (NOI) for the Project with the RWQCB through the State Water Resources Control Board's Storm Water Multiple Application and Report Tracking System (SMARTS). This task excludes SWPPP implementation and Notice of Termination (NOT) services, which we assume will be performed by the contractor and/or the District.

SOCWA
ETM Reach B Techite Main Replacement Project
Revised Fee Schedule
January 28, 2026

Task No.	TASK DESCRIPTION	BKF ENGINEERS HOURS												Total BKF Hours	BKF Fee	SUBCONSULTANTS										Sub-Consultants Total	Total Labor	ODC/Reimbursables	Total Fee				
		Principal-In-Charge Roger Chung	Project Manager Nancy Baker	Pipeline Design Task Lead Adam Brown	Technical Advisor Sraavan Paladugu	Project Engineer Mykalah Clermont	Survey Associate David Jungman	Survey Manager Joe Nelson	Survey Project Manager Varies	Senior Project Surveyor Varies	Party Chief Varies	Chain Person Varies	Project Surveyor Varies			Project Assistant Melissa Johnson	CIVILTEC HOURS						Total Civiltec Hours	Civiltec Fee	Geotechnical Ninyo and Moore					Potholing TZue	Aerial Survey Aerotech		
																	Deputy Project Manager Shem Hawes, PE	Project OM/OC Manager Terry Kerger, PE	Constructability Lead Shem Hawes	Senior Engineering Lead Steven Walker, PE	Senior Engineering Design Jenny Tsan	Engineering Design Kilmer Chavez, PE										Traffic Control Engineering David Song, PE	Regulatory Permitting/CEQA Sara Cancite
Hourly Rate	\$333	\$292	\$287	\$292	\$215	\$301	\$264	\$287	\$245	\$245	\$158	\$215	\$119	Hours	\$	\$300	\$245	\$300	\$285	\$220	\$235	\$285	\$150	Hours	\$	LS	LS	LS	\$	\$	\$	\$	
Task 7C Final Design Submittal (15 sheets)																																	
7.C.1	Final Plan Preparation	1	3	16		24								44	\$ 10,961		2			8	10			20	\$ 4,600				\$ 4,600	\$ 15,561	\$ 200	\$ 15,761	
7.C.2	Final Specifications		1	4		2								7	\$ 1,870		1							1	\$ 245				\$ 245	\$ 2,115		\$ 2,115	
7.C.3	Final Cost Estimate		1											1	\$ 292	1	1			2			1	\$ 1,400				\$ 1,400	\$ 1,692		\$ 1,692		
7.C.4	Final Construction Schedule, Sequencing Plan, and Access Plan		1											1	\$ 292			2	2					4	\$ 1,170				\$ 1,170	\$ 1,462		\$ 1,462	
7.C.5	Consolidated Comment Log with SOCWA Comments and BKF Responses		8			2								10	\$ 2,766										\$ -				\$ -	\$ 2,766		\$ 2,766	
Task 7C Final Design Submittal (15 sheets) Subtotal:		1	14	20	0	28	0	0	0	0	0	0	0	63	\$ 16,181	1	4	2	4	8	10	1	0	30	\$ 7,415	\$ -	\$ -	\$ -	\$ 7,415	\$ 23,596	\$ 200	\$ 23,796	
Task 8 Easement Acquisition Support																																	
8.A	Identify Easements	1	4	4		4								13	\$ 3,509			4						4	\$ 1,200				\$ 1,200	\$ 4,709		\$ 4,709	
8.B	Legal Descriptions & Plats (2 documents)		2	2		6	1	8	2	16				37	\$ 9,355										\$ -				\$ -	\$ 9,355		\$ 9,355	
8.C	Coordinate with SOCWA's Legal Counsel and Property Owners		8		2	6								16	\$ 4,210										\$ -				\$ -	\$ 4,210		\$ 4,210	
8.D	Revise Easements Documents		4					4		8				16	\$ 4,184										\$ -				\$ -	\$ 4,184		\$ 4,184	
8.E	Finalize and Submit Final Easement Documents		4	4				4		6				18	\$ 4,842										\$ -				\$ -	\$ 4,842		\$ 4,842	
Task 8 Easement Acquisition Support Subtotal:		1	22	10	2	16	1	16	2	30	0	0	0	100	\$ 26,100	0	0	4	0	0	0	0	0	4	\$ 1,200	\$ -	\$ -	\$ -	\$ 1,200	\$ 27,300	\$ -	\$ 27,300	
Task 9 Bid Support																																	
9.A	Attend Pre-bid Meeting and Site Walk	1	4			4								9	\$ 2,361	4								4	\$ 1,200				\$ 1,200	\$ 3,561	\$ 200	\$ 3,761	
9.B	Bid Clarifications (10 RFI's)		4	6		8								18	\$ 4,610										\$ -				\$ -	\$ 4,610		\$ 4,610	
9.C	Bid Addenda (3)		2	6		6								14	\$ 3,596										\$ -				\$ -	\$ 3,596		\$ 3,596	
9.D	Conformed Bid Documents		1	4		16								21	\$ 4,880										\$ 1,115				\$ 1,115	\$ 5,995		\$ 5,995	
Task 9 Bid Support Subtotal:		1	11	16	0	34	0	0	0	0	0	0	0	62	\$ 15,447	4	0	0	0	4	1	0	0	4	\$ 2,315	\$ -	\$ -	\$ -	\$ 2,315	\$ 17,762	\$ 200	\$ 17,962	
Task 10 Surveying Services																																	
10.A	Boundary Survey		1			1	12	13		24	24	24		99	\$ 22,324										\$ -				\$ -	\$ 22,324		\$ 22,324	
10.B	Record of Survey		1			1	12	6				24		44	\$ 10,643										\$ -				\$ -	\$ 10,643		\$ 10,643	
10.C	Aerial Topography		1			1	3	3		8	8	4		28	\$ 6,330										\$ -				\$ -	\$ 6,330		\$ 6,330	
10.D	Supplemental Ground Survey		1			1	1	7		8	8	4		30	\$ 6,950										\$ -				\$ -	\$ 6,950		\$ 6,950	
10.E	Topographic Review and Site Walk		4			4	1							9	\$ 2,329	4			4						\$ 3,280				\$ 3,280	\$ 5,609	\$ 300	\$ 5,909	
Task 10 Surveying Services Subtotal:		0	8	0	0	4	5	28	29	0	40	40	56	0	\$ 48,576	4	0	0	4	0	4	0	0	0	\$ 3,280	\$ -	\$ -	\$ 6,000	\$ 9,280	\$ 57,856	\$ 300	\$ 58,156	
Total Fee Without Optional Tasks		11	235	320	6	355	6	44	31	30	40	40	72	46	1236	\$ 308,943	58	32	41	130	80	164	15	32	535	\$ 139,805	\$ 25,125	\$ -	\$ 6,000	\$ 170,930	\$ 479,873	\$ 3,200	\$ 483,073
Optional Task																																	
Task A	Pothole Investigation (6 Potholes)	1	4	6		4	1	2	3		4	4	2	31	\$ 7,815	1	2							3	\$ 790		\$ 26,035		\$ 26,825	\$ 34,640		\$ 34,640	
Task B	SWPPP		1											1	\$ 292		2							40	\$ 10,210				\$ 9,420	\$ 9,712		\$ 9,712	
Optional Task Subtotal:		1	5	6	0	4	1	2	3	0	4	4	2	0	\$ 8,107	1	4	0	0	0	0	0	0	43	\$ 11,000	\$ -	\$ 26,035	\$ -	\$ 36,245	\$ 44,352	\$ -	\$ 44,352	
Total Fee With Optional Task		12	240	326	6	359	7	46	34	30	44	44	74	46	1268	\$ 317,050	59	36	41	130	80	202	15	32	578	\$ 150,805	\$ 25,125	\$ 26,035	\$ 6,000	\$ 207,175	\$ 524,225	\$ 3,200	\$ 527,425

AGENDA ITEM 6b2: MKN Proposal

and restoration approach during conceptual design and carry it into the bid documents, including designated access routes, staging/laydown areas, limits of disturbance, equipment limitations (as needed), and requirements for protecting and restoring turf and course features. Special attention will be given to irrigation system impacts—temporary removal/reinstallation, protection of lines and appurtenances, and restoration/testing before turnover, so the course can be returned to pre-construction condition with minimal operational disruption.

6. Return-to-Service Planning, Testing, and Operational Turnover

Returning the ETM to service safely and efficiently is a critical success factor and will be treated as a defined design deliverable, not a construction afterthought. MKN will develop a return-to-service plan that aligns with outage

windows, temporary isolation methods, and bypass/diversion operations. The bid documents will clearly define the required testing and acceptance steps appropriate for an effluent force main (e.g., pressure/leak testing approach, verification of valves and appurtenances, and any required flushing/cleaning steps), as well as turnover documentation. This return-to-service approach will be coordinated early with SOCWA/IRWD/ETWD operations to confirm outage windows, startup constraints, and operational hold points, and it will be carried forward from the Conceptual Design Report into the final bid documents. For long-term operations, MKN will provide clear O&M support information for new valves/appurtenances (including the Reach A/B isolation valve), recommended exercising/inspection practices, and record drawings reflecting final alignment and tie-ins with a concise “what changed” summary to support future maintenance and rehabilitation planning.

Scope of Work

The following Scope of Work is based on our extensive pipeline design experience and the requested scope provided in SOCWA's RFP. We have provided a detailed scope of work as part of our proposal to expedite the process from selection to issuance of the notice to proceed. In addition to meeting technical requirements, this project will require proactive coordination with SOCWA/IRWD/ETWD operations, Laguna Woods Golf Course management, and roadway and utility agencies within the El Toro Road / Moulton Parkway corridor. MKN will focus on developing comprehensive construction documents that support accurate contractor bids, minimize change orders, and maintain continuous ETM operations.

Task I | Project Management

Overall project management, including supervision of in-house staff, planning and monitoring of the contract budget and schedule, and coordination with SOCWA's and MKN's project team, will be conducted by the MKN Project Manager. The Project Manager will communicate and coordinate as needed with SOCWA staff to provide updates, follow up on action items, and manage the project on budget and on schedule. The Project Manager will prepare and submit a concise monthly status report with the monthly invoice statement that includes a summary of work progress/items completed for all work tasks, as well as an estimate of actual percent complete based on progress compared to the percent complete based on budget expended. MKN will provide senior technical review and implement our quality assurance and quality control (QA/QC) measures throughout the project. Each submittal will be accompanied by a written statement from the principal-in-charge of the project confirming that the submitted documents have been checked.

MKN will maintain an action/decision log and a risk register to document key decisions (e.g., tie-in windows, temporary isolation approach, bypass requirements) and track resolution throughout design. Draft and final construction documents will also be reviewed by senior staff with construction management experience to confirm constructability and bidability, and to reduce change-order exposure.

The design phase is assumed to be eight (8) months.

DELIVERABLES:

- Monthly status reports (8)
- Monthly invoices (8)

Task II | Progress Meetings

For budgeting purposes, MKN assumes eight (8) monthly progress meetings during the design phase, with approximately half conducted virtually. If additional meetings are requested, they can be provided as additional services. MKN will administer and lead the following meetings at a minimum for this project:

1. Kick Off Meeting – 1-hour, In-person meeting
2. Progress Meetings – Monthly virtual coordination meetings
3. 60% Design Review Meeting – 1-hour, In-person meeting
4. 90% Design Review Meeting – 1-hour, In-person meeting

MKN will submit meeting agendas at least one business day in advance of the meeting and provide meeting minutes within five days of the meeting date. At each meeting, MKN will present and discuss an updated project schedule, project milestones, and planned activities.

Key agenda items will include schedule constraints associated with diversion/storage windows, traffic control coordination, utility coordination, potholing status, and return-to-service planning, all of which must be reflected in the bid documents.

DELIVERABLES:

- Meeting agenda
- Meeting minutes and action/decision log

Task III | Data Request and Review

MKN will review the data provided by SOCWA as part of SOCWA's RFP; these documents include:

- 2017 ETM Reach B & C (Techite Pipe) Replacement Memo Update Memorandum by Tetra Tech, Inc.
- 2008 Assessment of the Physical Integrity of the Techite Reaches of the Aliso Creek Land Outfall by CH2M Hill
- 2003 AWMA ETM (Reaches A, B & C) Rehabilitation Study by Tetra Tech, Inc.
- 1978 Construction Plans for the Aliso Creek Effluent Transmission Main Reach B-C by Boyle Engineering Corporation
- 1979 ETM Easement Reach B-C

Since the ETM as-built drawings are of uncertain quality, MKN will perform field measurements as needed to verify key as-built information. Areas where dimensions cannot be verified (e.g., buried facilities) will be addressed by directing the contractor to perform potholing at key locations.

MKN will identify critical verification locations (tie-ins, valves/appurtenances, and crossings) and prepare a field verification and potholing plan to confirm the location of buried features before finalizing the design. Findings will be incorporated into the CDR and bid documents and used to refine shutdown sequencing, temporary isolation needs, and bypass

requirements. Additionally, MKN will prepare and submit a data request form for any additional information needed from SOCWA.

DELIVERABLES:

- Data request log

Task IV | Golf Course and Street Alignment Alternatives Analysis

During field reconnaissance and coordination discussions, MKN identified a "tricky junction" location where SOCWA indicated the alignment would need to cross; however, maintaining this junction "open" is operationally important because all three golf course zones rely on this connection. As part of the alignment evaluation, MKN will develop and screen an alternative alignment that avoids crossing the tricky junction, with the goal of reducing operational risk and minimizing impacts to golf course irrigation/operations while maintaining constructability, as shown in Exhibit 1 on the following page.

In addition, based on site observations, MKN considers the corridor on the left side of the roadway—behind the curb within the grass area—more feasible than the opposite side, which is constrained by bushes/trees and could require more clearing, restoration, and permitting coordination as shown in Exhibit 2 on the following page. Accordingly, each street alignment alternative will explicitly evaluate: (1) side-of-road feasibility, (2) vegetation/tree impacts and potential permit triggers, (3) constructability and access/staging, and (4) restoration complexity and risk.

MKN will determine viable alternatives for replacing the portion of Reach B located adjacent to/within El Toro Road and Moulton Parkway. MKN will conduct extensive utility research on the feasibility of the alignment. Each alternative will include a developed alignment, an overview of its benefits and drawbacks, an analysis of the risks, and a constructability review. MKN will identify potential CEQA/permit triggers for each alternative (tree impacts, traffic closures, utility relocations). MKN will prepare AACE Class 4 capital and operational cost estimates for each alternative as part of a cost evaluation. These cost estimates will include total project costs for design and construction. Estimates will include the costs for connecting to the existing piping and (if required) bypass pumping. During one of the monthly progress meetings, MKN will review the alternatives with SOCWA to identify one for implementation.



Exhibit 1 – Alternative Alignment to avoid “tricky junction”

During this alternatives analysis, MKN will evaluate each alignment for traffic control feasibility and tie-in constructability, including the space required for staged excavations and bypass/diversion equipment. MKN will coordinate early with the appropriate roadway jurisdiction(s) and utility owners, and will develop contingency traffic concepts in case field verification identifies conflicts that require shifts in the work zone footprint or lane closure limits.

DELIVERABLES:

- PowerPoint presentation of Street Alignment ETM Techite Replacement alternatives analysis, including AACE Class 4 cost estimates

Task V | Conceptual Design

MKN will prepare a draft Conceptual Design Report (CDR) that establishes the alignment through the Laguna Woods Golf Course and the recommended street alignment alternative. The CDR will provide the following:

A. Layout and Constructability: Detailed pipeline layout with constructability analysis addressing equipment requirements, contractor staging and laydown areas, construction access



Exhibit 2 – Alternative Alignment in Golf Course to Avoid Trees and Shrubs

routes, haul routes, staging areas, traffic control needs, night work considerations, bypass pumping requirements, tie-in locations, and restoration of golf course features (greens, tees, irrigation).

B. Permitting: Identification and summary of required permits and approvals, including lead agencies, expected permit timelines, and potential schedule constraints.

C. Isolation Valve: Evaluate and incorporate the installation of a new isolation valve at Reach A connection to Reach B. The purpose of the valve is to facilitate IRWD's future Reach A rehabilitation project and reduce operational impacts on ETWD during any Reach A shutdowns. The CDR will assess the optimal location, configuration, and constructability of the valve installation, identify tie-in requirements, and include the valve in the project's layout, cost estimate, and construction sequencing plan.

D. Return-to-Service and Temporary Works: Development of a shutdown/return-to-service approach aligned with SOCWA/IRWD/ETWD operations, including identification of temporary isolation (e.g., line stops where warranted), bypass/diversion needs, testing/acceptance steps, and turnover documentation requirements, which will be carried into the bid documents.

E. Easements: Identification of new permanent and temporary easements required for construction, including preliminary mapping.

F. Risk Analysis: Development of a risk matrix evaluating schedule, cost, and constructability risks, with likelihood and consequence scoring and recommended mitigation measures.

G. Existing Pipeline Disposition: Recommendations for the disposition of the existing Techite pipeline, evaluating whether it should be maintained in place for future rehabilitation as a parallel pipeline or permanently abandoned in place (including fill/plug methods, as applicable). The evaluation shall consider constructability, cost, long-term reliability, operational flexibility, and regulatory requirements, and shall include coordination with ETWD/IRWD staff.

H. Access Plan: Preparation of a detailed Access Plan for construction activities within the Laguna Woods Golf Course. The plan will identify contractor access routes from designated parking and staging areas to work zones, including limits of disturbance, construction traffic pathways, haul routes, anticipated equipment sizes and weights,

temporary crossings, and restoration requirements. The Access Plan will be coordinated with SOCWA and Golf Course staff and ultimately included as part of the bid documents.

I. Pre-Purchasing Recommendations: Evaluation of whether pre-purchasing of long-lead materials or equipment (e.g., valves, pipe, specialty fittings) is warranted and recommendations on timing.

J. Cost Estimate: Preparation of an AACE Class 3 cost estimate, separated by Golf Course and Moulton Parkway/El Toro Road alignments. The estimate shall include total project costs for design and construction, broken down into line items for construction, restoration, permitting, traffic control, contingencies, and engineering.

K. Schedule: A preliminary project schedule including permitting, design, bidding, and construction phases.

MKN will submit a draft CDR for SOCWA review and comment. During a monthly progress meeting, MKN will review SOCWA's consolidated comments. A final CDR will then be prepared, incorporating all comments. The final report will be signed and stamped by a California-registered professional civil engineer.

DELIVERABLES:

- Fully searchable electronic PDF file of the draft report
- Consolidated comment log with responses
- Fully searchable electronic PDF file of the final report

Task VI | Comprehensive Geotechnical Soils Report

MKN's subconsultant, Converse Consultants (Converse), will conduct site investigations and prepare a comprehensive geotechnical soils report addressing (at a minimum) geotechnical information required by code and as necessary to construct the golf course alignment. Prior to site investigations, MKN will submit a plan of proposed boring locations for SOCWA review and comment. MKN will allow adequate time for SOCWA to coordinate with Golf Course staff as necessary to enable this geotechnical work to take place. MKN's subconsultant will be responsible for any necessary permits associated with conducting onsite investigations. SOCWA will review and comment on the draft geotechnical report, and MKN will respond to SOCWA's comments in a consolidated log and incorporate them into a final geotechnical report.

DELIVERABLES:

- Proposed boring location plan
- Draft geotechnical report
- Consolidated comment log with all review comments and MKN responses
- Final geotechnical report

Task VII | Plans and Specifications

MKN will prepare technical specifications, drawings, and typical details for the construction of the project elements identified in CDR for the golf course alignment only. SOCWA will provide the front-end documents, which MKN will review and provide edits in tracked changes. If pre-purchasing is recommended, the cost to develop pre-purchase packages will be included in this task. MKN will electronically submit the following design submittals to SOCWA through e-mail at the following completion levels:

- 60% Design
- 90% Design
- Final signed Bid Documents

MKN will prepare technical specifications for all components of the project. In the bid documents, MKN will include temporary removal and installation of irrigation piping during construction, and restoration of the golf course irrigation and grass after construction, as necessary. If the construction impacts more than an acre, MKN will prepare a draft Storm Water Pollution Prevention Program (SWPPP) for construction. After the 60% and 90% design submittals, SOCWA will provide comments to be incorporated into the subsequent design submittal.

To support accurate contractor bids and reduce change orders, MKN will clearly identify temporary works and construction requirements in the drawings, specifications, and bid schedule, including (as applicable): line stop locations, shutdown plan/schematic (valve locations and phases), bypass/diversion equipment and connection points, dewatering requirements, contaminated soil handling/removal requirements, pavement restoration limits and thickness, and slurry backfill requirements.

MKN's subconsultant, Calvada Surveying, Inc. (Calvada), will conduct field surveying and produce topographic maps that will be used as a base plan for the proposed improvements. The topographic map will include all street right-of-way, property lines, and existing easement boundaries in the

project area on the base map. MKN will recommend the width and length of the field survey to capture the topographic features needed to complete the design. Our surveyor will obtain appropriate permits as required to perform the field survey.

Below is a summary of design submittals:

A. 60% Design: Based on the CDR recommendations, MKN will develop the bid documents to the 60% level and provide a construction cost estimate using manufacturer information and recent bid tabs. MKN will also submit the construction sequencing plan, updated Access Plan, schedule, and a consolidated comment log.

DELIVERABLES:

- 60% drawings and specifications
- 60% cost estimate
- Construction schedule, sequencing plan, and Access Plan
- Consolidated comment log with all review comments and MKN responses

B. 90% Design: After incorporating SOCWA's 60% comments and advancing detailed design, MKN will prepare the bid documents to the 90% level, including finalized site investigations, layout, detailed drawings/specs, and QA/QC reviews. MKN will provide an updated 90% cost estimate, schedule, sequencing plan, and Access Plan, along with a consolidated comment log.

DELIVERABLES:

- 90% drawings and specifications
- 90% cost estimate
- Updated construction schedule, sequencing plan, and Access Plan
- Consolidated comment log with all review comments and MKN responses

C. Final Design: Following SOCWA's 100% review, MKN will finalize the bid documents to 100% completion, including PE-stamped drawings. MKN will update calculations or the cost estimate if needed and provide all final deliverables.

DELIVERABLES:

- Final drawings and specifications (PDF and native CAD)
- Final cost estimate, construction schedule, Access Plan, and sequencing plan (if updated)
- Consolidated comment log with all review comments and MKN responses

Brae Glen Pipeline | East Orange County Water District, Orange, CA

Principal-in-Charge. The project involved the design of approximately 500 feet of new 8-inch potable water pipeline (PVC) to replace aging infrastructure. Project challenges included construction phasing to maintain system operation and acquisition of pipeline easements to facilitate future access.

Cortland Pipeline and Pressure Reducing Valve | City of Newport Beach, CA

Project Manager. This project involved the design of a proposed developer-driven infrastructure modification. Project elements included abandonment of existing easement pipeline and PRV, and installation of a new 8-inch potable water pipeline (PVC) and PRV station. The efforts included hydraulic analysis prior to design development.

Regional Desalter Conveyance Design | Water Replenishment District of Southern California (WRD), Torrance, CA

Principal-in-Charge. The project involved developing an expedited alternatives analysis and design of four pipelines for WRD's future Regional Brackish Water Reclamation Facility. Efforts included evaluation of six alternative alignments, including both trenchless and open cut approaches, and final design. The project includes ~2,400 linear feet of pipeline, including a 14-inch HDPE brine line, two 24-inch HDPE product water lines, and a 34-inch HDPE source water line.

GRIP Program Conveyance Alternatives Analysis | Water Replenishment District of Southern California, Lakewood, CA

Project Manager. The project involved an Alternatives Analysis and Preliminary Design of 5-mile, 42-inch recycled-water conveyance pipeline. The project includes an economic analysis comparing two alternative alignments, 30 percent design drawings, and Preliminary Design Report. The investigation addresses multiple trenchless crossings, utility coordination, hydraulics, traffic impacts, corrosion, residential/commercial impacts, geotechnical issues, and constructability. The estimated construction cost of the pipeline is \$30M.

HDPE Brine Pipeline | Water Replenishment District of Southern California, Pico Rivera, CA

Principal-in-Charge. The project included approximately 2,000-foot, 16-inch-diameter, high-density polyethylene (HDPE) pipeline in the City of Pico Rivera. The pressurized pipeline conveyed brine from the Groundwater Reliability Improvement Project (GRIP) Advanced Water Treatment Facility (AWTF) to a 63-inch trunk sewer owned and operated by the Sanitation Districts of Los Angeles County. The work included both preliminary and final design. In addition, the preliminary design included evaluation of a turnout structure along a 66-inch reinforced-concrete pipe conveying tertiary effluent from the San Jose Creek Water Reclamation Plant. The objective of the turnout was to deliver influent water to the GRIP AWTF.

Hollywood Beach Pipeline Replacement | Channel Islands Beach Community Services District, Ventura County, CA

Project Manager. This project evaluated alternatives for replacing existing 8-inch AC pipeline located within private easements. The analysis included material testing of the AC pipe to determine useful remaining life, alternatives development for rehabilitation and replacement and recommendations. Provided final design services for the recommended solution which included abandonment of the easement pipeline and construction of approximately 800 feet of 6 and 8-inch PVC potable distribution pipelines for a total cost of \$400k. The project also required outreach and reconnection for approximately 10 residential customers.

Roosevelt Pipeline | Channel Islands Beach Community Services District, Oxnard, CA

Principal-in-Charge. The project abandoned an existing AC potable pipeline located within residential easements and installed approximately 1,500 feet of 8-inch PVC pipeline to reconnect the distribution system. The effort required outreach and reconnection for approximately 25 residential and commercial customers.

Force Main Rehabilitation | Channel Islands Beach Community Services District, Oxnard, CA

Project Manager. Provided construction management services related to cured-in-place lining for approximately 10,300 linear feet of 8-inch and 12-inch wastewater force main piping.

5 PRICING

The pricing below will remain fixed throughout the duration of the project.

	Senior Project Director	Principal Engineer - GC, PM	Project Manager IV - Traffic	Senior Project Engineer I	Project Engineer I	Plan Check Engineer II - Traffic	Assistant Engineer II	Senior Designer	Traffic Engineer Associate I	Administrative Assistant	Total Hours (MKN)	Labor (MKN)	Geotechnical (Converse)	Potholing (Boudreau)	Surveying (Calvada)	Non-Labor Costs	Total Fee
Hourly Rates	\$ 345	\$ 303	\$ 290	\$ 250	\$ 213	\$ 208	\$ 193	\$ 194	\$ 151	\$ 119							
Project Tasks																	
Task I - Project Management	4	30								8	42	\$11,422	\$ -	\$ -	\$ -	\$0	\$ 11,422
Task II - Progress Meetings		18	2	18							38	\$10,534	\$ -	\$ -	\$ -	\$0	\$ 10,534
Task III - Data Request and Review				4	8		8				20	\$4,248	\$ -	\$ -	\$ -	\$0	\$ 4,248
Task IV - Golf Course and Street Alignment Alternatives Analysis		2		12	16		16	16			62	\$13,206	\$ -	\$ -	\$ -	\$0	\$ 13,206
Task V - Conceptual Design		4		12	24		16	16			72	\$15,516	\$ -	\$ -	\$ -	\$0	\$ 15,516
Task VI - Comprehensive Geotechnical Soils Report		2								2	4	\$844	\$ 24,239	\$ -	\$ -	\$24,239	\$ 25,083
Task VII - Plans and Specifications		48	12	48	36	8	64	162	72	8	458	\$94,960	\$ -	\$ -	\$ 51,480	\$51,480	\$ 146,440
Task VIII - Easement Acquisition Support		2						4			6	\$1,382	\$ -	\$ -	\$ 3,410	\$3,410	\$ 4,792
Task IX - Bidding		4		6	6			6			22	\$5,154	\$ -	\$ -	\$ -	\$0	\$ 5,154
Subtotal	4	110	14	100	90	8	104	204	72	18	724	\$157,266	\$ 24,239	\$ -	\$54,890	\$ 79,129	\$ 236,395
Optional Tasks																	
Task X - Pothole Investigation				1	2			2			5	\$1,064	\$ -	\$ 37,609	\$ -	\$37,609	\$ 38,673
Subtotal	0	0	0	1	2	0	0	2	0	0	5	\$ 1,064	\$ -	\$ 37,609	\$ -	\$ 37,609	\$ 38,673
TOTAL BUDGET	4	110	14	101	92	8	104	206	72	18	729	\$158,330	\$ 24,239	\$ 37,609	\$54,890	\$116,738	\$ 275,068

Agenda Item

7.A.

Board of Directors Meeting

Meeting Date: February 5, 2026

TO: Board of Directors
FROM: Amber Boone, General Manager
STAFF CONTACT: Dina Ash, Human Resources Administrator
SUBJECT: CSRMA Pooled Liability Program Renewal

Discussion/Analysis

SOCWA's General, Auto, Errors & Omissions, and Employment Practices Liability coverages through the CSRMA Pooled Liability Program has renewed as of December 31, 2025.

CSRMA's Executive Board approved the renewal, increasing the Pooled Layer from \$750K to \$1M and increasing the overall limits from \$25.75M to \$26M. Overall, total costs for the program increased 13.58% due to a myriad of factors including an increase in exposures (i.e. ADDWF, miles of line and number of autos), loss development in the program and re/insurance market conditions. The percentage change in total cost for individual members varied based on changes in exposure.

Each year the Program Administrators perform the Retrospective Rating Calculation for prior program years based on the formula adopted by the Board of Directors. The calculation grants either returns or assessments to members based on their individual experiences and the experience of the group as a whole. Financial data as of June 30, 2025, has resulted in a Retro Adjustment to be collected from members of the Pooled Liability Program in the amount of \$1,427,583. This is largely due to unfavorable loss development in PY 2020-21. SOCWA's share is \$57,086.

The CSRMA's Board also adopted the Employment Practices Liability (EPL) Deductible Reduction Incentive Program which was implemented beginning with the 12/31/23 renewal. Members who meet the eligibility requirements will have their EPL deductible decreased from \$50,000 to \$25,000. SOCWA has met these eligibility requirements.

Recommended Action: Information item

Agenda Item

7.B.

Board of Directors Meeting

Meeting Date: February 5, 2026

TO: Board of Directors
FROM: Amber Boone, General Manager
SUBJECT: Key Budget Assumptions for Preparing the Draft FY 2026-27 Budget

SOCWA staff plan to use the following key assumptions for preparing the draft budget for FY 2026-27:

Overall Budget Assumptions

- COLA and employee benefit costs in alignment with MOU between SOCWA and the SOCWA Employee Association, terminating on June 30, 2028.
- 1 year of O&M budget.
- 5 years of Capital budgets focused on compliance, safety-related items, and obsolescence to support the Facility Planning Assessment work.
- Current full-time employee count at thirty-seven with one part-time employee and three total open positions in admin, operations, and maintenance.

Administration/General Fund Budget Assumptions

- Inflation of 3% for consumables and other non-labor expenses.
- Public Relations (placeholder)
- Ocean Institute Partnership annual payment of \$10,000
- Admin support for outside financial management services.
- IRWD, MNWD, and TCWD to remain in documents use noted as "Care of XX" with all not contributing to SOCWA General Fund expenses as appropriate.
- General Fund Budget to be presented as evenly allocated.
- Annual Funding of PERS based on PERS notices.
- PERS retirement calculated using CalPERS provided Employer Normal Cost Rates.
- PERS unfunded liability (UAL) will be provided by CalPERS for Tier 1, Tier 2, and Tier 3 plans.
- Pay go OPEB Contributions, rely on Financial Markets Performance.
- Fringe Pool Budget items included based on actual costs or noticed projected changes.

O&M Budget Assumptions

- Utilizing agreed upon contract capacity in master budget template in O&M for administrative efficiency.
- CPUC past and projected rate increases are used to calculate most utility cost changes:
 - CTP Electricity (TOU-PA-3-D) – 5% (SCE)
 - JBL Electricity (PAT-1) – 10% (SDGE)
 - Natural Gas – 13.2%

- Chemicals with energy-intensive production processes (including bleach, caustic, ferric, and polymer) – 6%
- Remove of long-term trailer onsite at JBL for pre-planning of anticipated construction, saving \$48,000 per year.
- Other long-term contract rates are used to budget contracted supplies and services.
- Biosolids – The Budget is proposed to be reduced by \$25,000, from \$800,000 to \$775,000, reflecting a reconciliation of forecasted versus realized Biosolids costs. The FY 2025–26 Budget incorporated estimated impacts associated with the MNWD 3A Plant shutdown. The proposed FY 2026–27 Budget adjusts those assumptions based on actual Biosolids volumes and cost increases observed since the 3A Plant went offline in June 2025.
- Increased training budget due to employee needs, new regulations, artificial intelligence, and other new technologies.

Compliance Budget Assumptions

1. Salt and Nutrient Management Plan completion in FY 24-25 with support needed for Master Recycled Water Waste Discharge permit needed for PC12.
2. Molecular technologies for beach monitoring consumables are expected to increase by 5%
3. Pretreatment budget expects a 3% inflationary increase.
4. Additional management services are assumed across all PCs to support expanding regulatory requirements, including climate change adaptation and air toxics compliance.
5. PC5 and PC24 management services increases for NPDES permit reissuance costs needed for report of waste discharge, due by October 30, 2026 (180 Days prior to the expiration of the permit).
6. Completion of required NPDES rig fishing and benthic monitoring management services in FY 25-26 results in budget reductions for PC5 and PC24.
7. Research priorities management support: 5% increase
8. Management services PC2, PC15, and PC17 budgets to include increases to support renewal of Verily wastewater-based epidemiology monitoring contract.
9. PC17 expects moderate increases for addition of MNWD-3A laboratory labor, services and supplies. Costs offsets by additional revenues from MNWD and will reduce Administrative Budget costs for the SOCWA member agencies with finance committee revenue discussion in February.

Capital Program

- Currently being updated for Engineering Committee review.
- Assume staffing (1.25) with outside support services.
- Updated CIP elements for the Budget Book:
 - Add total project budget column.
 - Add estimated project expenses as of 6/30/2025 column.
 - The second year of CIP billings will be shown for the next full year and not quarterly
 - New projects added are due to safety, regulations, and/or obsolescence.
 - Increased Non-Cap Budgets for Phase 2 Master Planning at \$1.5M for JBL and CTP each.

IT Services

- IT Infrastructure
 - Hypervisors/SAN/Switches - Upgrade and Deployment
- Brivo Legacy Control Panels
- Palo Alto Firewall Upgrades and Implementation of High Availability

- WIMS Server Upgrade
- Pen/Validation Testing of Business and SCADA networks

The following provides the draft budget schedule approved by the SOCWA Board for FY 26-27. However, due to the Master Budget template creation, staff expects that the entire draft final budget to be provided to the Board of Directors on March 5, 2026.

January

- January 20, 2026 Finance Committee: Budget vs. Capacity Discussion & Budget Assumptions
- January 22, 2026 Engineering Committee: Budget vs. Capacity Discussion & Draft 5 Year CIP (Focus on Safety, Compliance, and Obsolescence)

February

- February 17, 2026 Finance Committee: Draft Final Budget vs. Capacity Discussion, Full Budget Assumptions, Fringe Rate, Labor Projections, & Major Cost Drivers, O & M Budgets

March

- March 3, 2026 Special Finance Committee: Draft O&M, Admin, and IT Budgets
- March 5, 2026 SOCWA Board Meeting: Draft Final O &M and 5-Year Engineering Budgets
- March 17, 2026 Special Finance Committee: Draft Final O&M, Admin, and IT Budgets

April

- April 14, 2026 Special Finance Committee: Draft Final CIP 10 Year Budget
- April 28, 2026 Special Finance Committee: Final CIP 10 Year Budget

May

- May 21, 2026: Board Budget Workshop

June

- June 4 – Board Meeting (Budget Consideration for Approval)

Recommended Action: Board Discussion, Direction, or Action

Agenda Item

7.C.

Legal Counsel Review: No

Meeting Date: February 5, 2026

TO: Board of Directors
FROM: Amber Boone, General Manager
SUBJECT: General Manager's Report

Master Schedule for CTP and JBL Master Planning Efforts

SOCWA has started three (3) separate efforts as part of the overall master planning effort. The following is a master schedule for the three efforts, which includes workshops and Board of Director meetings.

EVENTS	PROJECT	DATE
Deadline for Questions and Supplemental Information	CTP Regional Flow Study	January 8, 2026
Kick-Off Meeting	JBL FPA	January 14, 2026
Task 1 - Project Management (start)	JBL FPA	January 14, 2026
Proposal Submission Deadline	CTP FPA	January 15, 2026
Workshop 1	JBL FPA	January 27, 2026
Interviews	CTP FPA	January 29, 2026
Proposal Submission Deadline	CTP Regional Flow Study	January 29, 2026
SOCWA Board Meeting		February 5, 2026
Interviews	CTP Regional Flow Study	February 9-10, 2026
Engineering Committee - Contract Award Review	CTP FPA/ Regional Flow Study	February 12, 2026
SOCWA Board Meeting – Contract Award Review	CTP Regional Flow Study and CTP FPA	March 5, 2026
Kick-Off Meeting	CTP Regional Flow Study	March 11, 2026
Workshop 2	JBL FPA	March 17, 2026
Project Element 1 Due	CTP Regional Flow Study	March 26, 2026
Task 2 - Existing Facility Evaluation	JBL FPA	March 31, 2026
Kick-Off Meeting	CTP FPA	April 1, 2026
Task 1 - Project Management (start)	CTP FPA	April 1, 2026
SOCWA Board Meeting		April 2, 2026
Project Element 1 Due	CTP Regional Flow Study	April 12, 2026
Workshop 3	JBL FPA	April 23, 2026

Task 4 - Effluent Utilization Evaluation	JBL FPA	April 30, 2026
Project Element 2 Due	CTP Regional Flow Study	April 30, 2026
SOCWA Board Meeting		May 14, 2026
Project Element 3 Due	CTP Regional Flow Study	May 30, 2026
SOCWA Board Meeting		June 4, 2026
Task 2 - Existing Facility Evaluation	CTP FPA	June 15, 2026
Task 3 - Wastewater Treatment Alternatives	JBL FPA	June 30, 2026
Project Element 4 Due	CTP Regional Flow Study	June 30, 2026
SOCWA Board Meeting		July 9, 2026
Project Element 5 Due	CTP Regional Flow Study	July 31, 2026
SOCWA Board Meeting		August 13, 2026
Task 5 - Develop Project Alternatives	JBL FPA	August 31, 2026
Task 6 - Facility Planning & Assessment	JBL FPA	August 31, 2026
SOCWA Board Meeting		September 3, 2026
Task 3 – Wastewater Treatment Alternatives	CTP FPA	October 1, 2026
Task 4 – Recycled Water Facilities and Effluent Utilization Evaluation	CTP FPA	October 1, 2026
SOCWA Board Meeting		October 1, 2026
SOCWA Board Meeting		November 5, 2026
Task 5 - Develop Project Alternatives	CTP FPA	December 8, 2026
SOCWA Board Meeting		December 10, 2026
Task 6 - Facility Planning & Assessment	CTP FPA	January 4, 2027
SOCWA Board Meeting		January 7, 2027

Please note that Workshop 4 for the JBL FPA is tentatively scheduled for May 20th-21st or 27th-28th and Workshop 5 is June 23rd-25th.

SOCWA DRAFT Goals

To support the development of the FY 26-27 Budget and efficiency measures at SOCWA, staff created a draft list of organizational goals. SOCWA will be bringing these draft goals to the February Engineering Committee for additional input. These goals are based on a Results-Oriented Work Environment (ROWE) which emphasize evaluating employees based on outcomes and achievements rather than hours worked, granting flexibility in how and when tasks are completed as long as goals are met. This approach fosters autonomy, accountability, and efficiency, reducing micromanagement while boosting morale and productivity through clear, measurable objectives. These draft goals represent performance targets and a long-term sustainability pathway for South Orange County, aligned with SOCWA's mission statement, emphasizing environmental stewardship, public trust, and positive community optics.

Goal 1: Employee Wellbeing and Team Cohesion

Implement weekly team lunches across all facilities (CTP, JBL, Lab) to promote care and support among employees, targeting 100% voluntary participation per week (measured by attendance logs). Conduct monthly reviews to enhance morale, collaboration, and retention within the ROWE framework, starting from a January 2026 baseline of 0% (pre-implementation).

Goal 2: Compliance and Safety Excellence

Achieve zero excursions, complaints, spills, odors, noise issues, regulatory violations, and safety incidents across all facilities for the fiscal year, measured monthly against a baseline of 0 events reported in November 2025, to ensure 100% regulatory compliance, minimize environmental impact, and prioritize employee safety. Any excursion will be promptly identified, investigated, and addressed through corrective actions to prevent recurrence, reinforcing ethical accountability and encouraging timely reporting.

Goal 3: Effluent Quality Optimization

Maintain effluent BOD below 6 mg/L, TSS below 7 mg/L, and turbidity below 3 NTU, averaged across all plants, with at least 95% removal efficiency from influent levels (based on November 2025 averages of 3.2-7.4 mg/L BOD, 5.9-8.7 mg/L TSS, and 2.0-4.5 NTU turbidity). Track quarterly to enhance treatment performance and support water reuse initiatives, while reducing chemical additions (e.g., bleach and ferric).

Goal 4: Maintenance Efficiency

Increase the ratio of preventive maintenance tasks to corrective maintenance tasks to 10:1 or better (improving from November 2025's 343:39 ratio), measured by total tasks completed per month, to reduce equipment downtime and critical repairs (e.g., 21 at JBL and 5 at CTP). Staff will utilize Project Work Orders for enhanced project tracking and resource planning, reducing duplicate work orders. Complement by tiering equipment by risk and consequence, identifying training gaps, and ensuring parts redundancy.

Goal 5: Resource Utilization Reduction

Reduce overall utility consumption—including power, water, and natural gas—by 10% from the November 2025 baseline (e.g., 417,923 kWh total power), while maintaining or increasing cogeneration output (241,093 kWh) and optimizing digester gas usage (e.g., prioritizing engine and boiler over flares at ratios similar to 3,357,583 scfm to engine vs. 2,394,800 scfm to flares). Evaluate annually to lower operational costs and energy footprint, with success reinvested in staff, tools, and training. Focus on O&M-tracked reductions, accounting for current engine issues.

Goal 6: Outfall Discharge Minimization

Decrease total ocean outfall discharges by 5% from the 12-month running average of 25,510 AF (equivalent to 28.83 mgd in November 2025), focusing on expanding recycled water production beyond the 0.27 mgd average and 8.09 million gallons total. Monitor monthly to promote sustainable water management and align with agency reuse planning.

SOCWA staff will support this by maintaining 100% runtime reliability (based on SCWD demand) at facilities like CTP and identifying interim opportunities for efficiency gains.

Goal 7: Capital Improvement Project (CIP) Execution

Achieve CIP spending (large and small projects) of 75% or more of the original fiscal year budget. Prioritizing projects critical to plant operations and avoid holding excess cash to benefit member agencies. Complete the Coastal Treatment Plant and JB Latham Feasibility Planning Assessment Phase 1 Master Plans and the Regional Flow study by the end of 2026.

Goal 8: Business Efficiency

Eliminate unnecessary tasks by encouraging staff to recommend non-essential duties within their own roles (not others). Supervisors will evaluate pros and cons, present findings to management for approval, and implement changes to streamline operations.

Goal 9: Cybersecurity Resilience

Conduct a comprehensive cybersecurity assessment and implement resilience measures, including regular vulnerability scans, employee training on cyber threats, and multi-factor authentication across all systems. Achieve zero successful cyber incidents for the fiscal year, measured quarterly against a November 2025 baseline of 0 reported incidents, to protect critical infrastructure, ensure operational continuity, and comply with industry standards for water utilities.

Goal 10: AI for Efficiency Enhancement

Streamline administrative processes through automation and digitization of reporting, budgeting, and compliance documentation. Achieve a 20% reduction in administrative processing time (e.g., for reports and approvals), tracked quarterly from a January 2026 baseline, to enhance productivity, reduce paperwork burdens, and support ROWE principles by allowing more focus on high-value outcomes.

Purchases over \$25,000 but under \$100,000

Per the SOCWA December 2024 Uniform Purchasing Policy, the General Manager will report authorized purchases to the Board that were over \$25,000 but under \$100,000. The following items were authorized since the last Board meeting report:

Purchase	Amount
JBL Plant 1 Blower Building HVAC Replacement Final Design	\$59,500.00
NPDES required offshore trawling at SJCOO	\$53,708.00
JBL Storm Water Pump Station Drain Sump Replacement Final Design	\$51,000.00
Exfiltration Workshop and Stormwater-Wastewater Work Group	\$46,200.00
JBL RAS and RSP Wet Well Condition Assessment	\$42,685.00

SOCWA Administrative Building Restoration Project Update

SOCWA has submitted all the necessary information to our insurance provider to process the claim from the work completed by Preferred Restoration Incorporated (PRI) due to the mold restoration at the JB Latham Administrative building. The total cost of the renovation was \$159,139.80. The settlement claim was \$149,120.30. SOCWA paid the \$10,000 insurance claim deductible and paid \$10,019.50 for the mold portion (\$300,000 deductible). A proposed loss claim of \$139,120.30 has been prepared for submission to CSRMA. A verbal update will be provided on the status of the claim.

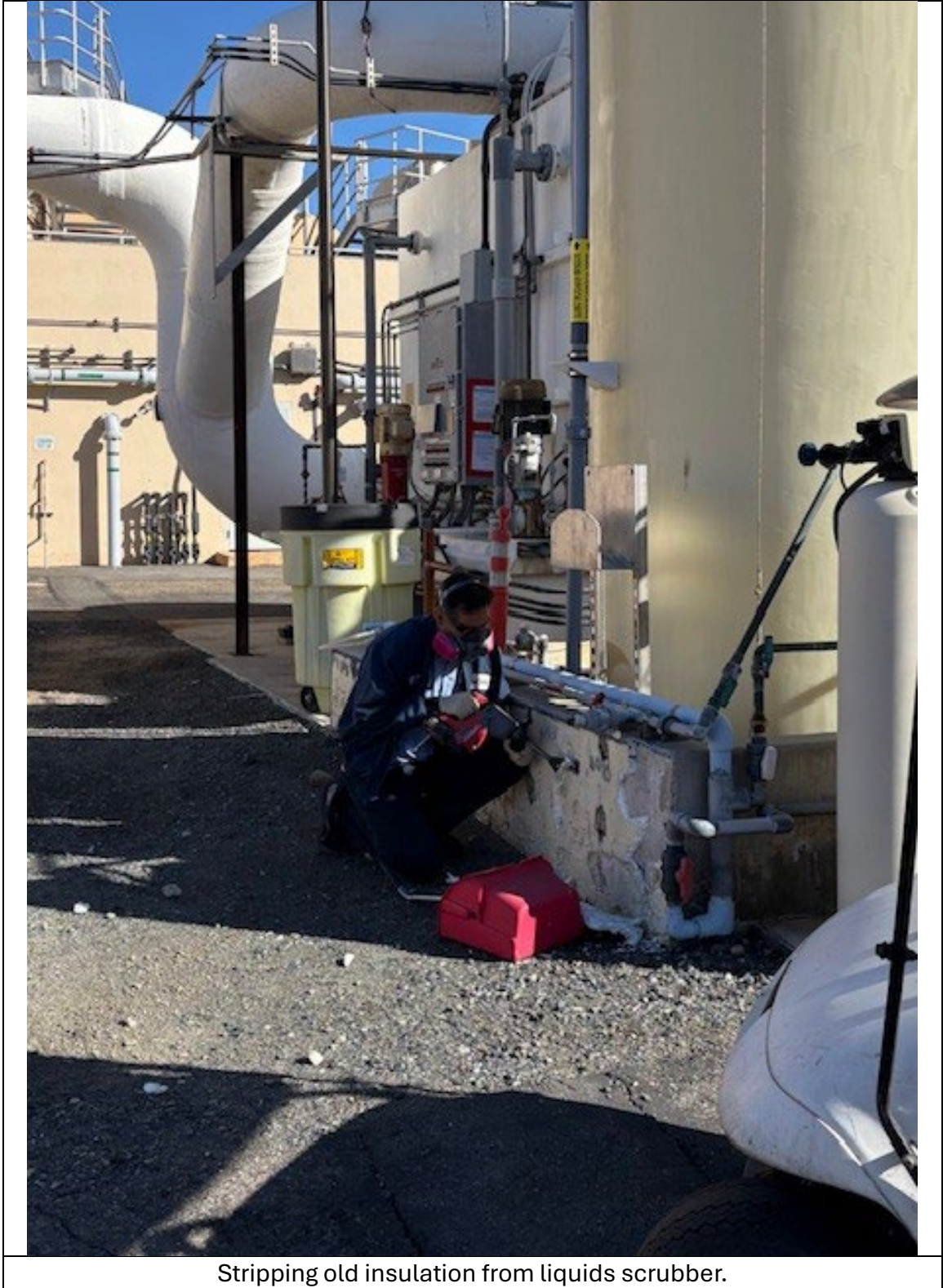
Engineering Cost Estimates Update

The Engineering and Finance Committees met to review Engineering Cost Estimates as a follow-up to the January SOCWA Board item. The Finance Committee wanted to be apprised of the potential updates but did not think they needed to be included in the governance system. The Engineering Committee recommended to work through the Orange County Water Association to convene a panel to discuss this industry trend. SOCWA will work with OCWA on convening the panel and will bring the lessons learned back to SOCWA.

JBL Maintenance Activities

SOCWA's maintenance team completed a wide range of repairs, upgrades, and preparatory work across the facility. They began by demolishing the old boiler concrete pad and stripping/cleaning foam from the liquids scrubber enclosure. Plumbing and equipment fixes included replacing the pipe bushing on the digester 1 heat loop, repairing the broken check valve on TWAS pump #2, replacing the digester #2 mix pump, rebuilding the centrifuge Polyblend pump, and repairing a gas leak on digester #4. They also removed RAS #7 for off-site rebuild and jetted the building 40 drains.

Safety and housekeeping efforts featured hanging/posting numerous safety signs facility-wide, followed by a comprehensive cleaning in preparation for an upcoming inspection. The team removed the Vapex units, closed out generator logbooks, and successfully completed the truck scale project. In the 4-side basement, they demolished and rebuilt three RSP cement bases. Additional support included aiding IT with the installation of several Aruba devices, as well as moving and setting up numerous offices (including furniture, desks, and monitors).



Stripping old insulation from liquids scrubber.



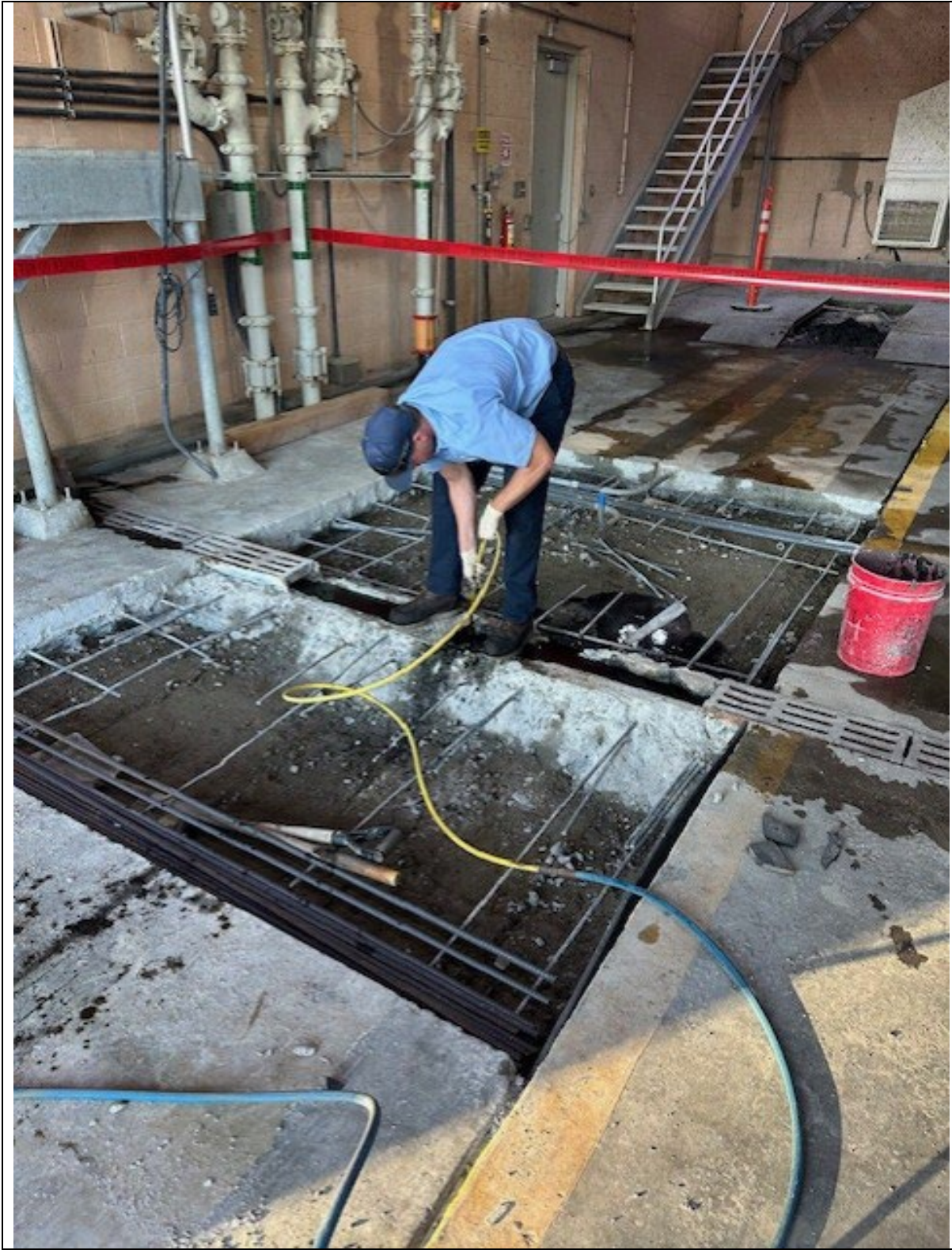
Demo old boiler concrete pad.



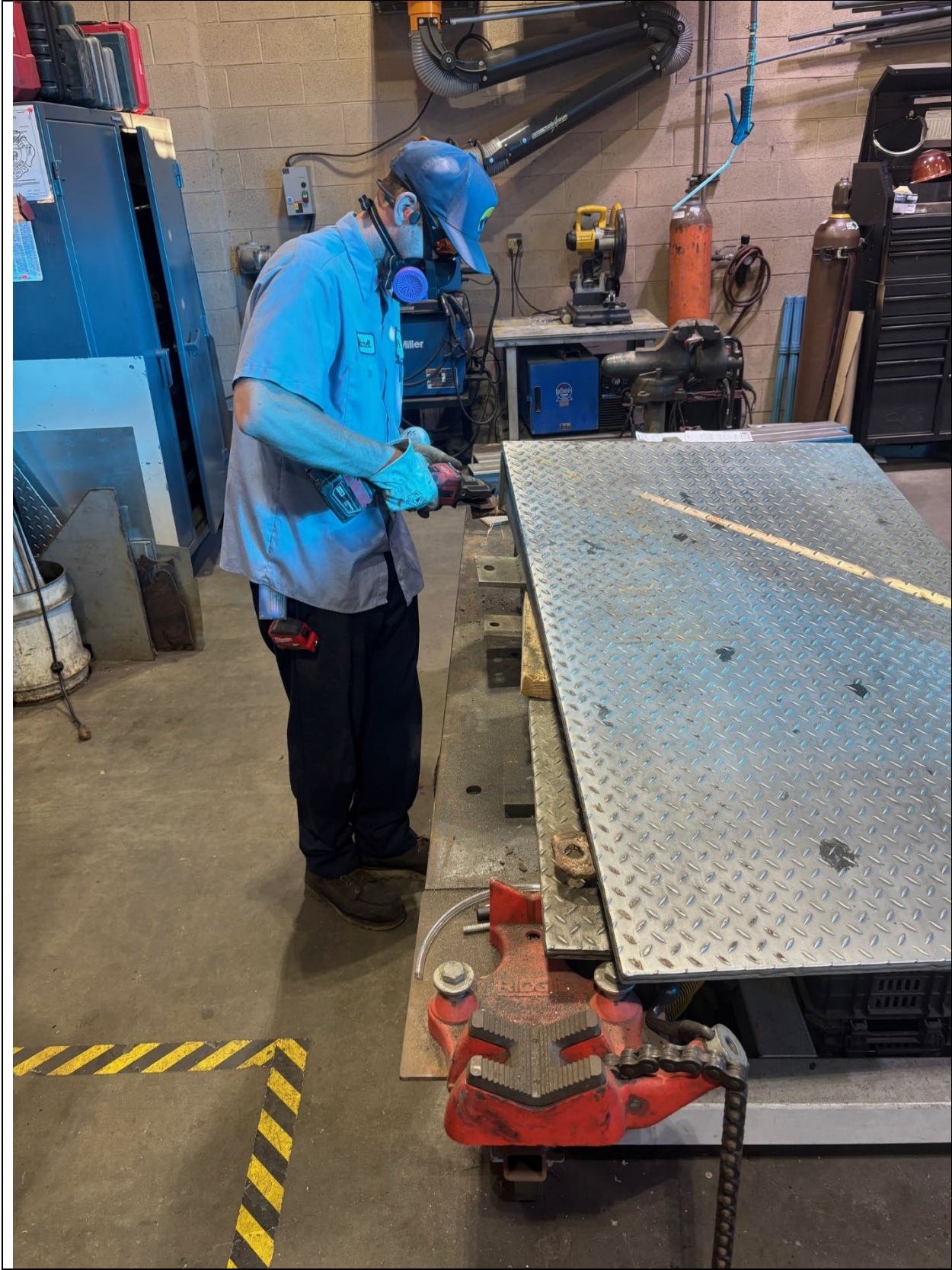
Replacing digester #2 mix pump.



Jet building 40 drain lines.



More drain line jetting (plus truck scale project progress).



Fabrication for truck scale project.

CTP Maintenance Activities

The maintenance team undertook various cleaning, installation, repair, and replacement tasks at the CTP facility. They drained and cleaned the AWT chlorine contact tank, and jetted the lower headworks drain for improved functionality. Key installations included adding a weir and fabricating/installing baffles on the center grit tank, as well as fitting new hoses on the aeration blower #1 heat exchanger and new hoses plus a new heat exchanger on aeration blower #2.

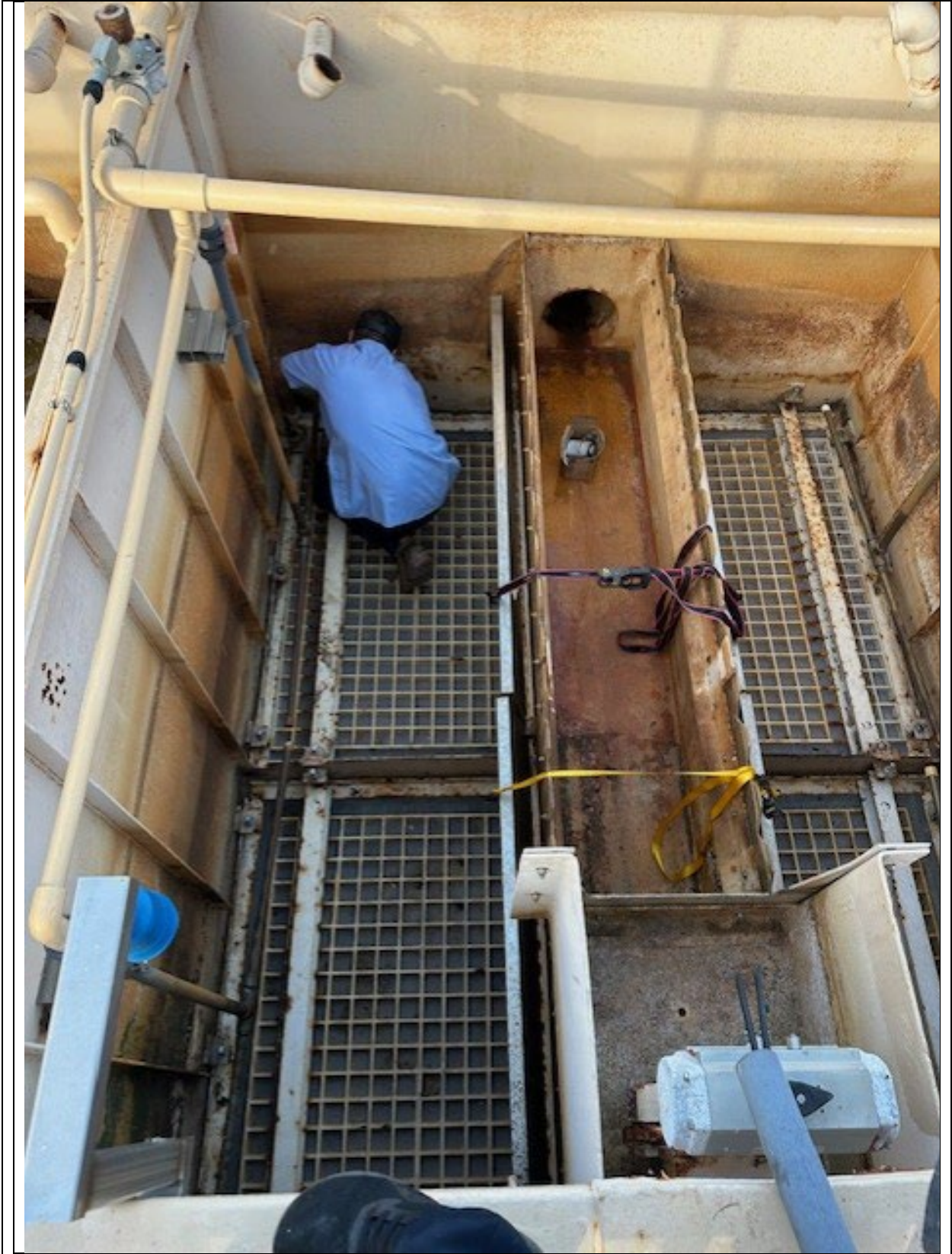
Repair and rebuild efforts encompassed rebuilding the relief valve on AWT bleach pump #1, repairing the north TWAS pump, and craning out the clearwell pump to send it for off-site rebuilding. Additionally, they replaced filters on the aeration blowers and swapped out the filter screen in AWT cell #2 before refilling the cell with sand.



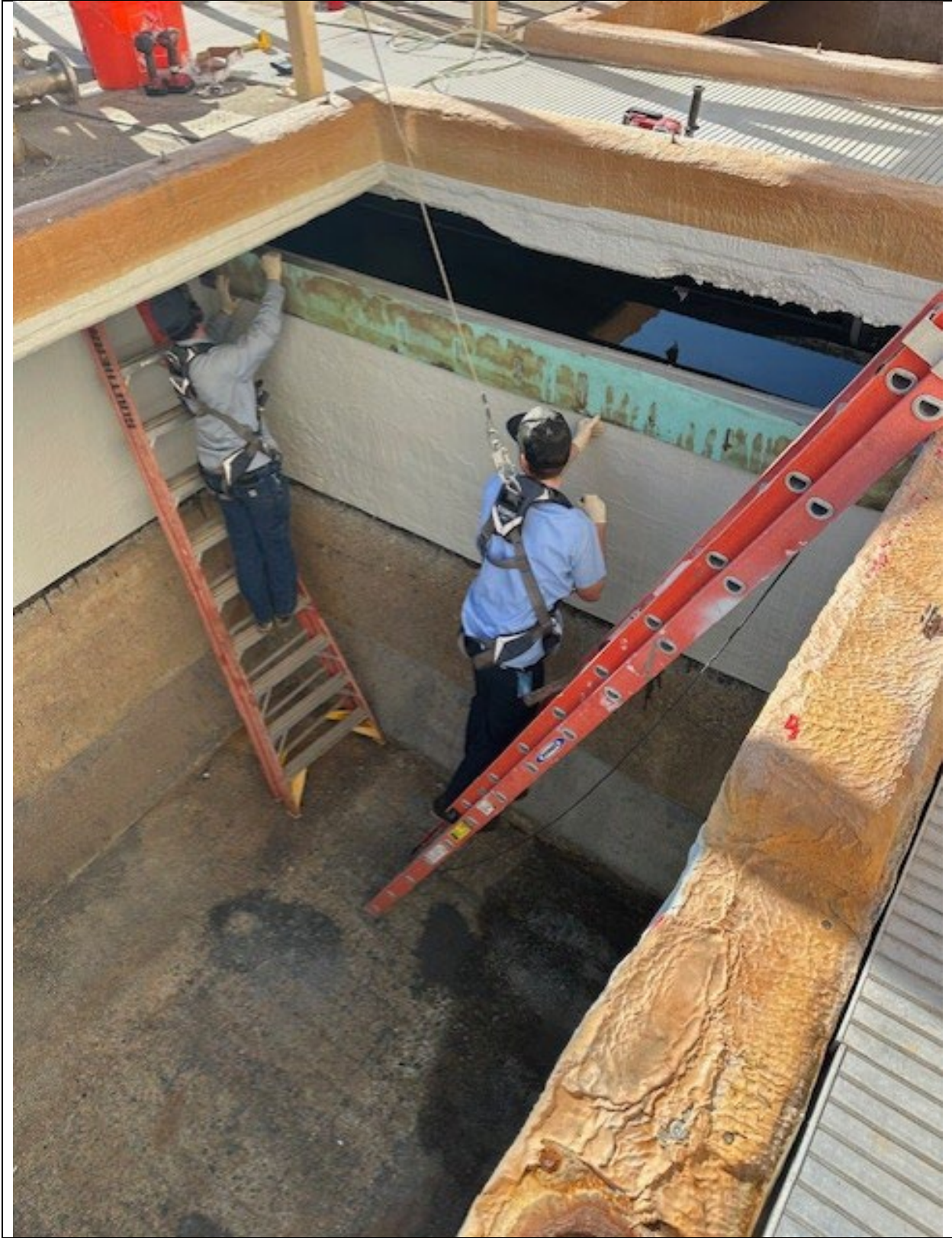
Cleaning contact tank.



Replacing seal in export pump gearbox.



Installing final screen into AWT cell #2.



Center grit tank weir and baffle install.



Craning out clearwell #1 pump.

RESOLUTION NO. 2026-01

RESOLUTION OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY BOARD OF DIRECTORS AUTHORIZING OPTIONAL TELECONFERENCING, REMOTE PARTICIPATION BY BOARD MEMBERS, AND VIRTUAL MEETINGS OF COMMITTEES PURSUANT TO GOVERNMENT CODE SECTIONS 54953.8.7 AND 54953.8.6 (SENATE BILL 707)

WHEREAS: The South Orange County Wastewater Authority (“**SOCWA**”) is a joint powers authority formed pursuant to Government Code §§ 6500 *et seq.*; and

WHEREAS: the Ralph M. Brown Act (Government Code §§ 54950 *et seq.* or the “**Brown Act**”) requires that meetings of the legislative bodies of local agencies be open and public, and that members of the public be permitted to attend and participate, except as otherwise provided by law; and

WHEREAS: Senate Bill 707 (2025) added, among other sections, Government Code §§ 54953.8.6 and 54953.8.7 to the Brown Act, providing additional teleconferencing and remote participation authority for joint powers authorities and eligible subsidiary bodies, subject to specified conditions; and

WHEREAS: Government Code § 54953.8.7 authorizes an eligible multijurisdictional body – defined to include a joint powers authority – to permit individual members of its legislative body to participate remotely in meetings, provided the body adopts a resolution at a regular meeting in open session and complies with all statutory requirements; and

WHEREAS: Government Code § 54953.8.6 authorizes eligible subsidiary bodies to conduct meetings entirely by teleconference, without a quorum present at a physical meeting location, provided all statutory notice, agenda, access, and public participation requirements are met; and

WHEREAS: the Board of Directors desires to provide flexibility to its Board members and its committees by authorizing the optional use of teleconferencing and remote participation, while maintaining full compliance with the Brown Act; and

WHEREAS: the Board of Directors further desires to make clear that in-person meetings remain permissible and that neither the Board nor any committee is required to meet virtually, nor is any Board member required to participate remotely.

THEREFORE, BE IT RESOLVED:

1. Incorporation of Recitals

The SOCWA Board of Directors (“Board”) hereby finds that the foregoing recitals are true and correct and incorporates them herein by reference.

2. Authorization for Remote Participation by Board Members (Gov. Code § 54953.8.7)

Pursuant to Government Code § 54953.8.7, the Board hereby authorizes optional remote participation by individual Board members in meetings of the Board, provided that all applicable conditions and requirements of the Brown Act and Government Code § 54953.8.7 are satisfied.

Such conditions include, but are not limited to, agenda identification of remotely participating members, participation through both audio and visual technology, applicable distance

requirements, quorum and public access requirements, and any annual limits on remote participation established by law.

3. Authorization for Virtual Meetings of Committees and Subsidiary Bodies (Gov. Code § 54953.8.6)

Pursuant to Government Code § 54953.8.6, the Board hereby authorizes optional virtual meetings of committees, advisory bodies, and other eligible subsidiary bodies of SOCWA, including meetings conducted entirely by teleconference, provided that all applicable requirements of the Brown Act and Government Code § 54953.8.6 are met.

Such meetings may be conducted without a physical meeting location, so long as proper notice is given and the public is provided real-time access and an opportunity to participate as required by law.

4. Findings Required Before Eligible Subsidiary Body Uses Teleconferencing

The Board hereby finds that:

- a. The Board has considered the circumstances of its eligible subsidiary bodies – here, the SOCWA Finance Committee, Executive Committee and Engineering Committee.
- b. Teleconference meetings of the eligible subsidiary bodies would enhance public access to meetings of the eligible subsidiary bodies, and the public has been made aware of the type of remote participation, including audio-visual or telephonic, that will be made available at a regularly scheduled meeting and has been provided the opportunity to comment at an in-person meeting of the legislative body authorizing the subsidiary bodies to meet entirely remotely.
- c. Teleconference meetings of the eligible subsidiary bodies would promote the attraction, retention, and diversity of eligible subsidiary body members.

5. Optional Nature of Teleconferencing and Remote Participation

This Resolution establishes an option, not a mandate. Nothing in this Resolution shall be construed to:

- a. Require the Board to conduct meetings by teleconference;
- b. Require any Board member to participate remotely;
- c. Require any committee or subsidiary body to meet virtually; or
- d. Limit the Board's authority to require in-person attendance or to adopt additional policies governing meeting formats.

6. Physical Public Access for Board Meetings

When the Board utilizes teleconferencing pursuant to Government Code § 54953.8.7, at least a quorum of Board members participating in the meeting shall do so from physical locations open to the public within SOCWA's territorial jurisdiction, as required by law.

7. Compliance with the Brown Act

All meetings conducted pursuant to this Resolution shall fully comply with the Brown Act, including Government Code §§ 54953.8, 54953.8.6, and 54953.8.7, and any other applicable

provisions of state law.

8. Effective Date

This Resolution shall take effect immediately upon adoption.

PASSED AND ADOPTED, AND SIGNED by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California, on the 5th day of February 2026.

(Seal)

Frank Ury, Board Chair

Amber Boone, General Manager, and Board Secretary

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing Resolution No. 2026-01 was duly adopted by the SOCWA Board of Directors at their Board Meeting held on the 5th day of February 2026 and that it was so adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: February 5, 2026

Amber Boone, Secretary/General Manager
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing is a full, true, and correct copy of Resolution No. 2026-01 of said Board and that the same has not been amended or repealed.

Dated: February 5, 2026

Amber Boone, Secretary/General Manager
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

(Seal)

Agenda Item

7.E.

Budgeted: N/A

Legal Counsel Review: Yes

Meeting Date: February 5, 2026

TO: Board of Directors
FROM: Amber Boone, General Manager
SUBJECT: Draft Cost Allocation Policy

Summary

Based on the discussion at the January SOCWA Board meeting, staff is bringing back this updated policy to the Board for discussion. SOCWA staff is working with the SOCWA Finance Committee and Engineering Committee on respective items in the policy.

Recommended Action: Board Discussion, Direction, and Action

Attachment: Draft Cost Allocation Policy

Cost Allocation Policy

Purpose

This policy establishes the methodology for allocating costs associated with the operation, maintenance, administration, and unfunded liabilities of the South Orange County Wastewater Authority (SOCWA). It ensures fair, transparent, and consistent distribution of costs among member agencies and project committees and shall govern the allocation of costs reflected in SOCWA's Budgets, including costs related to administration, operation, and maintenance, capital projects, information technology, fringe benefits, Unfunded Accrued Liabilities (UAL), and Other Post-Employment Benefits (OPEB).

Budget Components

SOCWA's budget consists of four principal components outlined below.

1. **Capital Improvement Plan (CIP) Budget** – The CIP Plan is a multi-year plan outlining SOCWA's planned investments in public facilities and infrastructure, and more specifically, the financing, location, and timing of capital improvement projects. The CIP Budget is created with input from the Engineering Committee. The CIP Budget includes maintenance costs not directly related to use of the Project facilities, including necessary capital improvements, repairs, adjustments, replacements, and extraordinary or standby maintenance, and incidental accounting and administrative costs in connection therewith. Any change to the cost allocation methodology for the CIP Budget set forth in this Policy must be made by the unanimous consent of all the SOCWA Board of Directors in accordance with Section 6.3.1 of the SOCWA Joint Powers Agreement.
2. **Operations and Maintenance (O&M) Budgets** – Operations and maintenance budgets are prepared for each Project operated and maintained by SOCWA and approved at or prior to each June meeting of the Board for the ensuing Fiscal Year. Operations and maintenance costs directly related to the use of the Project facilities, including necessary improvements, repairs, adjustments, and replacement costs in connection therewith, are paid by each Member Agency using the Project facilities in proportion to its use, consistent with Section 6.3.1 of the SOCWA Joint Powers Agreement. The O&M Budgets include (a) the estimated expenses of operating the Project; (b) the estimated expenses of maintaining the Project, (c) an estimate of income from operations, if any; and (d) the allocation of operation and maintenance expenses among the Member Agencies in each particular Project Committee (the "Participating Member Agencies") in accordance with the formulas set forth in this Policy. O&M Budgets must be approved by a two-thirds (2/3) vote of the Participating Directors in that Project in accordance with Section 6.3 of the SOCWA Joint Powers Agreement. The O&M Budget includes two departments:
 - Department 01: Operations and Maintenance
 - Department 02: Environmental Services

3. **Administration Budget:** The Administrative Budget contains the administrative and incidental accounting costs arising specifically from the operations and maintenance of the Project facilities, as well as the allocation among the Member Agencies of the amounts necessary to cover the Administrative Budget expenditures. Because the Administrative Budget is a Project; the O&M costs for a Project, the Administrative Budget also must be approved by a two-thirds (2/3) vote of the Participating Directors in that Project in accordance with Section 6.3 of the SOCWA Joint Powers Agreement. The Administration Budget includes the following:
- Department 03: Engineering. Greater than 60% of non-labor expenses (residual engineering) in this department are administrative in nature, which were combined with administrative expenses. Engineering labor is billed directly to Capital projects in the CIP Budget with minimal time billed to administration.
 - Department 04: Administration. Includes administration and incidental accounting costs arising specifically from the operations and maintenance of the Project facilities.
 - Department 05: Information Technology - Expenses are budgeted as direct costs where technology services or equipment are needed at SOCWA facilities or as indirect costs based on the IT pool of expenses. Department 05 expenses are distributed to all project committees and departments based on the "where labor worked" methodology.
4. **General Fund Budget:** The General Fund Budget includes the general administrative expenses of SOCWA and the allocation among the Member Agencies of the amounts necessary to cover the General Budget expenditure. The General Fund Budget is allocated evenly among the six participating Member Agencies. If the General Fund Budget provides an allocation to the Member Agencies on some basis other than equal amounts, the General Fund Budget must be approved by the unanimous consent of all the Member Agencies in accordance with Section 6.1 of the SOCWA Joint Powers Agreement. Certain expenses are split between the General Fund Budget and the Administrative Budget.”. Items included in the General Fund Budget include portions of the following categories, as allocated in Table 1 and described below Table 1 for clarity.

Please note that the percentages in Table 1 are the General Fund percentage allocations, and the remaining percentage allocations for each category of expense are allocated entirely to the Administration Budget. For example, Regular Salaries of the General Manager shall be split 50% into the General Fund (allocated equally to the SOCWA member agencies) and 50% into the Administration budget, which is allocated based on where labor worked, following O&M expenses.

Table 1: General Fund Expenses and Percentage Allocations

General Fund Allocation	
Salary and Fringe	
Regular Salaries-Admin	50% (General Manager)
Assistant Clerk	50%
Comp Time - Admin	50%
Other Expenses	
Car Allowance (General Manager)	50%
Public Notices	100%
Public Relations/Government Affairs	Board Member Agency Directed
Contract Labor/Part-Time Labor	25%
Audit	100%
Legal Fees	40%
Memberships, Conferences, Training, and Travel	75%
Small Purchases and Consumables	5%
IT Allocations into PC's & Depts.	5%

Definitions of the General Fund:

Audit: Annual audit shall be filed with the State Controller, Orange County Auditor and each Member Agency within six (6) months of the end of the Fiscal Year under examination. All costs associated with this requirement shall be included in this category.

Car Allowance: Monthly allowance for vehicle expense per the General Manager's contract.

Contract Labor/Part-Time Labor: Board approved budget for this additional work as needed.

General Fund: Also known as the General Budget as described in the SOCWA: "(i) "General Budget" means the approved budget applicable to the expenses of administration of the Authority."

IT Allocations into PC's & Depts: IT allocations follow O&M labor.

Legal: For matters related to conducting Board-related business for labor and general counsels.

Public Notices/Public Relations: Expenses incurred related to any public ~~relations~~ notices required for the business of the Authority.

Public Relations/Governmental Affairs: Expenses incurred to support Public Relations or Governmental Affairs efforts based on Board-directed or Member Agency requests. Public Relations/Governmental Affairs expenses –and may be funded or co-funded through respective Member Agency partnerships. Public Relations/Governmental Affairs expenses shall be allocated on a case-by-case basis at the direction of the SOCWA Board. Public Relations/Governmental Affairs expenses shall first be presented to the SOCWA Board for discussion regarding whether the expense, or a portion of the expense, belongs in the General Budget, or whether the expense should be subject to a different allocation. Upon the unanimous vote of the SOCWA Board, a Public Relations/Governmental Affairs expense may be added to the General Budget (and thereby allocated evenly among the six participating Member Agencies) or allocated on some basis other than equal amounts among all Member Agencies. If there is not unanimous consent regarding the proposed allocation by the SOCWA Board, then ~~that~~ Public Relations/Governmental Affairs expense may be funded by one or more Project Committees, ~~or by two or more Member Agencies~~, subject to the unanimous consent of the Participating Directors representing the Member Agencies that will fund the expense.

Regular Salaries-Admin: Regular salary of the SOCWA General Manager

Small Purchases and Consumables: Small tools and supplies, subscriptions, postage, office supplies in admin, miscellaneous, and shipping/freight that support Board-related business.

5. **Other Budget Components:**

- UAL - "UAL" is an abbreviation for Unfunded Actuarial Liability, which is the gap between a pension plan's total obligations to employees and the assets it has on hand to pay for those benefits. This liability represents the portion of accumulated benefits that an organization is committed to paying but for which it has not yet set aside sufficient funding. For example, in the UAL calculation for a public agency, the UAL represents the amount of promised benefits that is greater than the plan's assets.
- OPEB - An OPEB liability is an accounting term for the financial obligation an employer has to pay for Other Postemployment Benefits (OPEB) provided to its retired

employees and their beneficiaries. These benefits are non-pension benefits earned during an employee's service period but paid after employment has ended.

Cost Allocations

The following sections provide the allocations by each component outlined above.

Engineering Allocations

Capital costs are considered projects that maintain the SOCWA facilities and follow Section 6.3.1 of the SOCWA JPA agreement, which states that capital costs “shall be paid by the Participating Member Agencies in proportion to their respective percentage share of the ownership of capacity in said Project facilities.” The December 2024 reorganization agreements contain the most current cost allocations for capital projects and are utilized in the budget creation.

The capital portion of the O&M Budget is presented to the SOCWA Board’s Engineering Committee for review, comment, and incorporation by consensus of each project committee member.

Administrative Cost Allocation

Administrative costs follow Section 6.2 of the SOCWA JPA agreement. The methodology divides costs per agency by the total Operations and Maintenance budget (Departments 01 & 02) without including Admin, UAL, or OPEB costs. This ensures administrative costs remain proportional to services received, as identified in the annual budget. Any changes to this methodology require unanimous consent from all Participating Member Agencies per Section 6.3.1 of the SOCWA JPA.

Fringe Benefit Allocation

SOCWA utilizes a fringe benefit pool methodology that is applied to salaries with a utilization rate. The fringe benefit pool encompasses costs for accrued leave, group insurance, PERS Normal Costs, and other paid benefits. The utilization rate is the pay-for-time-worked rate based on the number of hours on leave divided by the total number of hours available to work. SOCWA plans to transition from the fringe pool method to an actual cost allocation approach to better accommodate labor changes throughout the fiscal year.

Information Technology Allocation

IT costs are distributed using a labor-based ("where labor worked") allocation methodology, distinguishing between:

- Direct costs: Technology services or equipment needed at specific SOCWA facilities.
- Indirect costs: Distributed across project committees and departments based on labor allocation.

Unfunded Liabilities Allocation

The allocation of Unfunded Accrued Liability (UAL) requires annual payments based on actuarial distributions. Distribution adheres to a proportional methodology based on labor services received by each Member Agency and is updated by an actuarial firm, when necessary, to account for

structural changes at the agency. Employer retirement costs are allocated according to labor distribution and agency participation levels, reviewed and updated periodically by an outside consulting firm. Certain agencies (referred to as Contract Agencies as defined herein) are contractually obligated to cover certain UAL and OPEB costs based on terms set forth in individual agreements, such as withdrawal or continuing services agreements.

Contracted Services Allocations

SOCWA may contract from time to time with partners to provide those partners with certain specialty services, such as recycled water permitting, permitting compliance services (such as NPDES and master recycled water permits), pretreatment program services, and/or laboratory services using the same general facilities and standard of care as provided to SOCWA's Member Agencies. Generally, SOCWA provides these services and invoices for the contracted partners, such as the Trabuco Canyon Water District and the Moulton Niguel Water District, on a quarterly or annual basis for actual costs, plus reasonable administration and overhead costs, which are calculated proportionately based on the same overhead and administration methodology used for Member Agencies.

De minimis contracts that provide revenue sources of under \$100k annually will have a flat overhead and administration rate, which will be set and reviewed annually, and these revenues will be used to offset costs associated with the specific Project Committee applicable to the service provided, if applicable, and shall be reconciled and credited as appropriate during the use audit process.

SOCWA will defer to agreed-upon contract language from previous member agencies negotiated as part of subsequent withdrawal agreements related to unfunded public system liability while agencies were members of the Authority.

SOCWA will provide notice to each contracted services partner no later than March 1 each year to determine whether they desire to continue using SOCWA's services for the following fiscal year, to determine inclusion in the budget, where and as applicable.

Project Committee Allocation

SOCWA operates through a series of Project Committees (PCs), each with specific operational responsibilities and Participating Member Agencies. The Project Committee costs are inclusive of facility usage, operational needs, special studies determined by Engineering or Finance Committees, permit requirements, regulatory drivers, labor, and utility operational costs. Specific allocation methodologies vary by Project Committee. SOCWA will utilize the capacity ownership amounts set forth in the December 2024 Reorganization Agreements as normal budgeted costs and resolve the usage in the Use Audit process.

Table 2 sets forth the current SOCWA Project Committees, Member Agencies, and Contract Agencies. "Contract Agencies" are agencies that have contracted capacity through other SOCWA Member Agencies and/or otherwise receive services through contracts directly with SOCWA.

Table 2: SOCWA Project Committee Participating Member Agencies and Contract Agencies

Project Committee	Description	SOCWA Participating Member Agencies	Contract Agencies
PC 2	JB Latham WWTP	SCWD, SMWD	MNWD
PC 5	San Juan Creek Ocean Outfall (SJCOO)	CSC, SCWD, MNWD, SMWD	MNWD
PC 8	Pre-Treatment Program	CLB, CSC, EBSD, ETWD, SCWD, SMWD	IRWD, MNWD
PC 12	Recycled Water Permit	SCWD, SMWD	MNWD, TCWD
PC 15	Coastal WWTP	CLB, EBSD, SCWD	N/A
PC 21	Effluent Transmission Main (ETM)	ETWD	IRWD, MNWD
PC23	North Coast Interceptor (NCI)	CLB, EBSD	N/A
PC 24	Aliso Creek Ocean Outfall (ACOO)	CLB, EBSD, ETWD, SCWD	IRWD, MNWD

Agency Abbreviations:

- CLB: City of Laguna Beach
- CSC: City of San Clemente
- EBSD: Emerald Bay Service District
- ETWD: El Toro Water District
- IRWD: Irvine Ranch Water District (a Contract Agency, not a Member of SOCWA)
- MNWD: Moulton Niguel Water District (a Contract Agency, not a Member Agency of SOCWA)
- SCWD: South Coast Water District
- SMWD: Santa Margarita Water District
- TCWD: Trabuco Canyon Water District (a Contract Agency, not a Member Agency of SOCWA)

PC 2 (JB Latham WWTP)

PC 2 O&M costs are budgeted and allocated based on the capacity rights specified in the Assignment and Assumption Agreement (PC 2) (Agreement No.5/Agreement #7 to PC 2, effective December 12, 2024), as outlined in Table 3. Please note that, based on the agreement, *MNWD costs are combined with SCWD costs, effective December 12, 2024:*

“MNWD’s 23.08% liquids treatment capacity allocation in (and effluent from) the JB Latham Treatment Plant, totaling 3.00 mgd; and (ii) MNWD’s 21.62% solids treatment capacity allocation in the JB Latham Treatment Plant, totaling 8,340 lbs/day ((i))”.

Table 3: PC 2 Capacity Summary (Owned and Operated by SOCWA)

PC 2 - SOCWA JBL Capacity Summary (Owned and Operated by SOCWA)					
Agency	Liquids (mgd)	Solids (mgd) (1)	Solids (lbs)(1)	Common-S (%)	Common - L (%)
SCWD	6.75	7.70	16055	41.62%	51.92%
SMWD	6.25	10.80	22518	58.38%	48.08%
Total	13.00	18.50	38573	100%	100%

PC 5 (San Juan Creek Ocean Outfall)

PC 5 O&M costs are budgeted and allocated based on the hydraulic capacity ownership amounts set forth in the Assignment and Assumption Agreement (Agreement No.6, effective December 12, 2024) and represent fixed costs as noted in Table 4. Please note that, based on the agreement, *MNWD costs are combined with SMWD costs effective December 12, 2024*: “MNWD hereby permanently assigns to (a) SMWD and SMWD hereby accepts 59% of MNWD’s assigned Outfall Capacity, and (b) SCWD and SCWD hereby accepts 41% of MNWD’s Assigned Outfall Capacity and 100% of MNWD’s Assigned Pumping Capacity.”

Table 4: PC 5 - SOCWA San Juan Creek Ocean Outfall Capacity Summary (Owned and Operated by SOCWA)

Agency	Ownership (%)	Hydraulic Capacity (mgd)
CSC	16.620%	13.296
SCWD	18.829%	15.063
SMWD	64.551%	51.64
Total	100.000%	80.00

PC 8 (Pretreatment Costs)

PC 8 costs remain in the budget with direct costs billed to Contract Agencies based on where labor worked.

PC 12 (Water Reclamation Permits)

The PC 12 costs are volume based (recycled water produced) and are allocated by_Agency in the following manner.

- MNWD: The amount of reclaimed water produced from the Regional Treatment Plant (RTP) and the 3A Treatment Plant (split with SMWD).
- South Coast Water District (SCWD): The total reclaimed water produced from the Coastal Treatment Plant (CTP).
- Santa Margarita Water District (SMWD): The combined sum of reclaimed water produced from the Oso Creek Water Reclamation Plant (OCWRP), the Chiquita Water Reclamation Plant (CWRP), and the Nichols Water Reclamation Plant (NWRP), the acre-foot sum of the Rosebaum well, the Mission Street Well, and the total reclaimed water from the SMWD/CSJC intertie.
- Trabuco Canyon Water District (TCWD): Reclaimed water produced from the Robinson Ranch Water Reclamation Plant (RRWRP).

PC 15 (Coastal Treatment Plant) Allocation

PC 15 O&M costs are budgeted and allocated according to the Liquids, AWT, and Common capacity amounts set forth December 12, 2024, Coastal Treatment Plant Capacity Rights Transfer Agreement (Agreement No.3MNWD Capacity Rights in Project Committee 15), as noted in Table 5.

Table 5: PC 15 - Coastal Treatment Plant Capacity Summary (CTP Owned and Operated by SOCWA: AWT is owned by SCWD but operated by SOCWA)

Agencies	Liquids (mgd)	AWT (%)	Common (%)
CLB	3.64	0	54.30%
EBSD	0.2	0	3.00%
SCWD	2.86	100	42.70%
Total	6.7	100	100.00%

PC 21 (Effluent Transmission Main) Costs

PC 21 O&M costs are budgeted and allocated according to hydraulic capacity ownership as set forth in the Assignment and Assumption Agreement (Agreement No.7, effective December 12, 2024) (Project Committees 21 and 24) as noted in Table 6. Please note that *IRWD costs are combined with ETWD costs, effective July 1, 2023, with 50% capacity rights to IRWD and 50% capacity rights to ETWD for ETM reach B/C/D, and IRWD and MNWD costs are combined with ETWD costs, effective December 12, 2024, with 23.29% allocated to ETWD, 23.29% allocated to IRWD, and 53.43% allocated to MNWD for Reach E.*

Table 6: PC 21 - Effluent Transmission Main (ETM) Capacity Summary Reach B/C/D/E (Owned and Maintained by SOCWA)

Agency	Hydraulic Capacity	Ownership Percentage (%)
ETWD - B/C/D	15	100%
ETWD - E	32.2	100%

PC 23 North Coast Interceptor Costs

PC 23 O&M costs are budgeted and allocated according to hydraulic capacity ownership as set forth in the November 22, 2006, Amendment No. 3 to the Agreement for Design, Construction, Use, Operation, Maintenance, Repair, and Replacement of Phase I North Coastal Interceptor Sewer Pipeline and Pumping Stations for AWMA for and on Behalf of PC No. 7-A as noted in Table 7.

Table 7: PC23 North Coast Interceptor

Agency	Capacity Ownership Percentage (%)
CLB	95.88
EBSB	4.12

PC 24 (Aliso Creek Ocean Outfall) Costs

PC 24 O&M costs are budgeted and allocated according to hydraulic capacity ownership as set forth in the December 12, 2024, Assignment and Assumption Agreement (Agreement No.7) (Project Committees 21 and 24) as noted in Table 8. As noted in the Agreement: “*Note MNWD costs are combined with ETWD costs, effective December 12, 2024. Assignment and Acceptance of MNWD’s Assigned Capacity and Rights and Obligations. MNWD hereby permanently assigns to ETWD, and ETWD hereby accepts from MNWD, (1) MNWD’s 53.42% capacity allocation in Reach E of the Effluent Transmission Main; (2) MNWD’s 43.848% capacity allocation in the ACO Outfall ((1) and (2) are collectively referred to herein as “MNWD’s Assigned Capacity”).* Note that IRWD transferred capacity rights to ETWD effective July 1, 2023 via an Assignment and Assumption Agreement.

Table 8: PC 24 - Aliso Creek Ocean Outfall (ACOO) Capacity Summary (Owned and Operated by SOCWA)

Agency	Hydraulic Capacity (mgd)	Ownership Percent (%)
CLB	5.500	11.00%
EBSB	0.390	0.78%
ETWD	37.955	75.91%
SCWD	6.155	12.31%
Total	50.000	100.00%

Cost Allocation Principles for SOCWA Wastewater Treatment Facilities

The following principles guide SOCWA's cost allocation methodologies and are applicable to PC 2 & PC 15. The other PCs have fixed cost distribution (PC 5 & PC 24), and are based on production (PC 12), or labor allocation (PC 8). Additional allocation categories are described below.

Treatment Plant Cost Allocation Categories

1. Process-Based Allocation: Costs are allocated based on operational processes (Liquids, Solids, Common, AWT).
2. Facility-Specific Considerations: Each facility has a unique allocation structure reflecting its operational characteristics.
3. Direct vs. Shared Costs: Direct costs are allocated to specific processes; shared resources are allocated proportionally.
4. Labor Distribution: Based on actual time spent supporting each facility or project committee.
5. Utility-Specific Allocation: Based on metering data and operational requirements.
6. Chemical Usage Tracking: Based on actual usage by treatment process, resolved in the use audit.
7. Equipment-Based Allocation: Based on the primary function of equipment (solids, liquids, or common costs).

PC 2 Cost Allocation Structure

PC 2 operates with a four-way allocation system distributing costs among Liquids (55.1%), Solids (43.4%), Common/Liquids (0.8%), and [common](#) Solids (0.8%) treatment processes. This allocation structure applies to regular labor costs, benefits, and most operational expenditures. Notable variations include:

- Electricity: 65.0% Liquids, 25.0% Solids, 5.0% Common/Liquids, 5.0% Common/Solids

- Natural Gas: 65.0% Liquids, 25.0% Solids, 5.0% Common/Liquids, 5.0% Common/Solids
- Chlorine/Sodium Hypochlorite: 50.0% Liquids, 50.0% Solids
- Polymer Products: 100% Solids
- Ferric Chloride: 100% Liquids
- Other Chemicals: 54.0% Liquids, 46.0% Solids
- Non-Control Chemicals: 50.0% Common/Liquids, 50.0% Common/Solids
- Laboratory Services: 75.0% Liquids, 25.0% Solids
- Grit Hauling: 100% Solids
- Capital projects follow the ownership allocations, depending on the type of project, that are presented as the Common-L or Common-S.

PC15 Cost Allocation Structure

PC 15 employs a different allocation structure than PC 2, with costs distributed among Liquids (55.4%), Common/Liquids (3.4%), and AWT (41.2%) treatment processes. This reflects the facility's distinct operational focus. Key allocation patterns include:

- Regular Salaries: 76.4% Liquids, 18.2% Common/Liquids, 5.4% AWT
- Overtime Salaries: 64.9% Liquids, 21.9% Common/Liquids, 13.2% AWT
- Electricity: 100% Liquids
- Natural Gas: 50.0% Liquids, 50.0% Common/Liquids
- Water: 90.0% Liquids, 10.0% AWT
- Chlorine/Sodium Hypochlorite: 100% Liquids
- Ferric Chloride: 100% Liquids
- Laboratory Supplies: 75.0% Liquids, 25.0% AWT
- Petroleum Products: 50.0% Liquids, 3.4% Common/Liquids, 41.2% AWT
- Uniforms: 55.4% Liquids, 3.4% Common/Liquids, 41.2% AWT
- Maintenance Equipment & Facilities (Liquids): 100% Liquids
- Maintenance Equipment & Facilities (Common): 100% Common/Liquids
- Maintenance Equipment & Facilities (AWT): 100% AWT
- [Solids Pumping Costs \(discussion item\)](#)
- Capital projects follow the ownership allocations, depending on the type of project, that are presented as Common or AWT.

PC 5, 21, 23, and 24 Cost Allocation Structure

All budgeted capital and O&M costs for PCs 5, 21, 23, and 24 are allocated based on the Member Agencies' ownership of hydraulic capacity of the pipelines.

Contract Agency Services

SOCWA provides services for Contract Agencies through contractual agreements, such as laboratory and permitting services. The budget for these services is provided to the Contract Agencies by March of each year for approval of continuation of services.

Budget Allocations

Once the total cost of providing staffing and services on behalf of MAs is completed by SOCWA staff and approved by the Board, the following standardized methodology allocates costs to

project committees (PCs) and ultimately rolled up to each SOCWA Member Agency. It ensures equitable distribution of operations and maintenance (O&M) expenses, administrative costs, general fund (GF) contributions, unfunded actuarial liability (UAL), and other post-employment benefits (OPEB) liabilities. All allocations shall be based on verifiable data sources, such as capacity rights, labor utilization, or flow percentages, and shall adhere to board-approved guidelines and reorganization agreements. SOCWA staff shall provide Member Agency staff with the raw data for the allocations and methodology employed with a statement of quality assurance in adherence with the allocation steps below with the annual SOCWA Budget.

The steps for cost allocation are as follows:

1. Allocation Based on Capacity Rights: Utilize established capacity rights to determine the proportional contribution per agency for each PC and MA.
2. Alternative Allocation Methods: In instances where capacity rights are unavailable, employ labor utilization metrics (e.g., “where employee worked”) or flow percentages to calculate the proportional utilization by each agency.
3. Calculation of MA Operating Cost Percentages: Determine the percentage that each MA's operating costs represent relative to the total O&M budgeted expenses. This calculation excludes administrative costs, GF contributions, UAL, and OPEB liabilities.
4. Determination of Administrative Costs per MA: Multiply the percentage derived in Step 3 for each MA by the draft budget amount to compute the total administrative cost attributable to that MA.
5. Computation of Administrative Cost Allocation Percentage: Divide the O&M cost per facility or service budget by the total MA budget to establish the administrative cost allocation percentage.
6. Allocation of General Fund: Calculate the percentage of costs based on Table 1, subtract that amount from the administrative costs and divide equally between the six member agencies.
7. Allocation of Administrative Costs per PC or Service: Multiply the percentage from Step 5 by the total administrative cost from Step 4 to allocate administrative costs to each PC or service.
8. Allocation of UAL and OPEB Liabilities: Use the admin cost allocation percentages per PC (that follows where labor worked) for the liability distribution of the UAL and OPEB. The total liability is the sum of the PCs that the MA is a member of based on UAL Methodology established by the SOCWA Board in 2018¹.
9. Total Budget per Agency: Sum all allocated costs (including O&M, administrative, GF (if applicable), UAL, and OPEB) to derive the total budget attributable to each agency.
- 9-10. [Allocation of Capacity Rights Transfer: Staff will allocate costs to contract agencies utilizing “care of \(c/o\)” methodology per the 2025 reorganization agreements.](#)

This procedure shall be reviewed as needed to incorporate any updates to board methodologies, reorganization agreements, or budgetary frameworks. All calculations must be documented and auditable, with supporting data retained as required by the SOCWA Records Retention Policy.

¹ Actuaries Marilyn Jones of Nyhart and Mary Beth Redding of Bartel Associates provided the updated UAL methodology at the June 17, 2018 Finance Committee meeting. The Finance Committee recommended to use the methodology on August 29, 2018, further discussion at the September 19, 2018 Finance Committee meeting, final action to approve the methodology for use in the audited financial statements on October 4, 2018 by the Finance Committee. This methodology was used in the distribution of liability in FY 2017-2018 audited financials that was brought to the Board to receive and file at the December 6, 2018 SOCWA Board meeting. The SOCWA Board voted to receive and file the audited financial statements and approved the methodology in the approval of the FY 2017-18 Annual Use Audit.

Use Audit Allocation

The Use Audit is completed by applying established flow allocation methodologies, circulated annually for review to SOCWA member agencies, which distribute costs among member agencies based on their proportional usage of treatment facilities. The process involves collecting actual flow data (measured in million gallons per day) and solids loading data (calculated from BOD and TSS measurements) for each Member Agency during the fiscal year, then comparing these actual values against budgeted amounts to determine each agency's percentage share of total system usage.

The allocation methodology varies by project committee - some use average flows over multiple years, others incorporate solids loading calculations, and some account for special agreements between agencies (like the 2018 MNWD-SMWD agreement for solids allocation). Once the actual usage percentages are calculated and compared to budgeted percentages, any differences result in either disbursement of funds to agencies that were overcharged or collection of additional funds from agencies that were undercharged, with the final results reviewed through the Engineering and Finance Committees and recommended to the SOCWA Board of Directors before implementation. Table 9 provides a summary of the Use Audit Methodology with PC descriptions below Table 9.

Table 9: Use Audit Methodology Table

Project Committee (PC)	Method	O & M Costs - Variable	O & M Costs - Fixed	Capital Costs
PC 2	Variable	Liquids-related costs are based on each agency's prior calendar year flows to prepare the budget. Solids-related costs are based on each agency's three (3) year prior pounds (BOD + TSS)/2) to prepare the budget. The Use Audit process utilizes the actual FY totals for Liquids and the actual FY solids, along with the two prior FY solids totals.	Common costs are allocated based on the average ownership of liquids and solids capacity percentages, or $((L\% + S\%)/2)$.	For facilities or equipment with a service life equal to or greater than 5 years, or a value in excess of \$1,000, costs are allocated on the basis of liquid treatment capacity ownership and/or solids treatment capacity ownership as may be applicable.
PC 5	Fixed	Allocated to PC members based on fixed ownership.	Allocated to PC members based on fixed ownership.	Allocated to PC members based on fixed ownership.
PC 8	Variable	Allocated based on percentage of staff time.	Shared equally among all member agencies.	Shared equally among all member agencies.

PC 12	Variable	Total costs are split 50/50 between fixed and variable. Allocated proportionally to each PC member based on non-potable water production and projections.	Total costs are split 50/50 between fixed and variable. Divided equally between each PC member. Insurance is allocated equally amongst the Participating Member Agencies.	Not applicable
PC 15	Variable	Liquids related costs are allocated based on the agency's prior calendar year's flows to prepare the budget. The Use Audit process uses the actual FY totals for Liquids. 100% of the AWT costs are attributed to SCWD.	Common costs are allocated to the PC members based on their liquids ownership allocations.	Plant Liquids and Common capital costs are allocated to the PC members based on their liquids ownership allocations. 100% of the AWT capital costs are allocated to SCWD.
PC 17*	Variable	All costs are allocated to MNWD unless otherwise stated in the Budget/Use Audit.	All costs are allocated to MNWD unless otherwise stated in the Budget/Use Audit.	Any designated capital costs will be allocated to the Budget/Use Audit based on the accompanying agreement.
PC 21	Fixed	Not applicable.	Allocated to each PC member based on percentage of ownership.	Allocated to PC members based on percentage of ownership.
PC 23	Fixed	None or NA - All Costs are considered to be allocated using the Fixed method	All O&M Costs are allocated by ownership percentages per PC23 agreements (see Section 7 of the 11-4-1976 agreement).	All Capital O&M Costs are allocated by ownership percentages per PC23 agreements (see Section 7 of the 11-4-1976 agreement).
PC 24	Fixed	Allocated to PC members based on fixed ownership.	Allocated to PC members based on fixed ownership.	Allocated to PC members based on fixed ownership.

[*Included to complete the FY 24-25 Use Audit and will be no longer after the FY 24-25 Use Audit is completed.](#)

The following provides the method for the Use Audit by PC:

PC 2

Member Agency average flows for the FY were used in the flow allocation and applied proportionally from the total combined flow from each tributary trunk line. The PC 2 uses FY flows and three-year FY average solid loadings to reconcile the budgeted amounts. Solids loadings are calculated from adding the average FY BOD and TSS and, dividing by 2, and then multiplying the result by the flow and the 8.34 pounds conversion factor. In March 2018, PC2 members Moulton Niguel Water District (MNWD) and Santa Margarita Water District (SMWD) came to an agreement on how to allocate solids for budgeting and use audit purposes. The new method captures the influent loading at Plant 3A, as it was recognized that this allocation would isolate MNWD's solids contributions to JBL to a single variable. SMWD solids to JBL would then be the balance of solids contributed by the Oso Creek Water Reclamation Plant, 3A, and any other discharges to the Oso Trabuco line to JBL.

PC 5

Fixed costs based on ownership capacity per Member Agency.

PC 8

Allocation is based on timecard (where labor worked).

PC 12

The PC 12 method of production is detailed by Member Agency in the following narrative. San Juan Capistrano is the acre-foot sum of the Rosebaum well, the Mission Street Well, and the total reclaimed water from the SMWD/CSJC intertie. For MNWD, it is the amount of reclaimed water produced from the Regional Treatment Plant (RTP) and the 3A Treatment Plant (split with SMWD). South Coast Water District (SCWD) is the total reclaimed water produced from the Coastal Treatment Plant (CTP). The Santa Margarita Water District (SMWD) is the combined sum of reclaimed water produced from the 3A Treatment Plant (split with MNWD), the Oso Creek Water Reclamation Plant (OCWRP), the Chiquita Water Reclamation Plant (CWRP), and the Nichols Water Reclamation Plant (NWRP). The Trabuco Canyon Water District (TCWD) is reclaimed water produced from the Robinson Ranch Water Reclamation Plant (RRWRP).

PC 15

Due to the lack of solids handling capacity at the Coastal Treatment Plant (CTP), allocation methodology is based on flows to the treatment plant. In addition, there are no current flow meters installed to account for any flow sent to CTP from MNWD, so no flow is being accounted for in this PC flow allocation methodology, unless for emergency use as needed through authorization by the PC15 members, with billing based on use, reconciled in the annual use audit. The City of Laguna Beach (CLB) is the average annual flow into CTP (metered). The Emerald Bay Services District (EBSD) is the average annual flow into CTP (calculated from monthly meter read from the

lift station divided by the days in the month). The South Coast Water District (SCWD) is the average annual flow into CTP (metered). The meter calibration is performed annually in June.

PC 17

The final use audit will be for FY 24-25 due to the reorganization agreements. The method is therefore included in this policy for memorialization.

PC 17 has liquid and solids contribution. The liquid flow allocation is based on influent flow to the plant. The influent flow is solely contributed by the MNWD. The export sludge line transports solids to RTP from CTP for further processing. The liquid flow from CTP's export sludge line is divided by five and distributed to each agency, then summed up to create a total liquid flow to RTP. The flows are then distributed on a proportional basis. The solids contribution is based on the total daily average pounds contributed by each agency distributed proportionally. The meter calibration is performed annually in June.

[PC21](#)

[Fixed costs based on ownership capacity per Member Agency.](#)

PC 24

Fixed costs based on ownership capacity per Member Agency.

Review and Adjustment

Budgeted administrative costs may be adjusted mid-year as necessary to ensure accurate cost allocation, with all adjustments promptly communicated to member agencies. This policy undergoes periodic review during the budget development process, allowing for modifications based on operational changes, financial circumstances, or evolving Member Agency needs. Changes to this policy may only be made by the unanimous consent of all the Participating Member Agencies as set forth in Section 6.3.1 of the SOCWA Joint Powers Agreement.

Policy Approval and Adoption

This Policy has been reviewed by the Authority Board of Directors and adopted by Resolution No. 2025-16 on December 11, 2025, superseding all previous versions.