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Danita Hirsh, Assistant Secretary
SOCWA and the Board of Directors thereof

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

April 4, 2024
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) 234-5452 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](http://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 DANITA HIRSH AT DHIRSH@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 949-234-5452. 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.

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South Orange County Wastewater Authority
Board of Directors Meeting
April 4, 2024

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

1. Board of Directors Meeting of March 7, 2024
2. Board of Directors Meeting of March 13, 2024

ACTION The Board will be requested to approve the subject Minutes.

B. Minutes of PC 2 Committee14

1. PC 2 Committee Meeting of February 26, 2024
2. PC 2 Committee Meeting of March 7, 2024

ACTION The PC 2 Board will be requested to approve the subject Minutes, and the Board will be requested to receive and file the subject Minutes.

C. Minutes of Finance Committee.....18

- Finance Committee Meeting of February 20, 2024

ACTION The Board will be requested to receive and file the subject Minutes.

D. Minutes of Engineering Committee21

- Engineering Committee Meeting of January 18, 2024

ACTION The Board will be requested to receive and file the subject Minutes.

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E. Finance Reports for the Month of January 2024..... 24

- The financial reports included are as follows:
 1. Summary of Disbursements for January 2024 (Exhibit A);
 2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
 3. Schedule of Cash and Investments (Exhibit C)
 4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
 5. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)

ACTION The Finance Committee recommends that the Board of Directors (i) receive and file the January 2024 Financial Reports and (ii) ratify the January 2024 disbursement for the period from January 1, 2024, through January 31, 2024, totaling \$5,096,522.

F. Operations Report (February) 42

1. Monthly Operational Report
2. SOCWA Ocean Outfall Discharges by Agency
3. Quarterly Report on Key Operational Expenses
4. Beach Ocean Monitoring Report
5. Recycled Water Report
6. Pretreatment Report (February/March)

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

G. Capital Improvement Program Status Report (March) 82

ACTION Information item.

H. Capital Improvement Construction Projects Progress Report (March)
[Project Committees 2, 5, 15 and 24] 85

ACTION The Engineering Committee recommends that the PC 15 Board approve Change Order 1 to Filanc to add 273 non-compensable days to the contract for the CTP Diffusers Replacement Project.

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I. <u>Coastal Treatment Plant (CTP) Funding Strategy and Implementation Plan</u> <u>[Project Committee 15]</u>	89
ACTION The Engineering Committee recommends that the PC 15 Board receive and file the report as an information item.	
J. Resolution No. 2024-03 – A Resolution of the Board of Directors of the South Orange County Wastewater Authority Adopting Investment Policy for Public Funds, based on the Annual Review.	133
ACTION The Finance Committee recommends that the Board of Directors approve Resolution 2024-03, A Resolution of the South Orange County Wastewater Authority (SOCWA) Adopting Investment Policy for Public Funds, based on the Annual Review.	
6. <u>ENGINEERING MATTERS</u>	
A. <u>J.B. Latham Treatment Package B Construction Management Post</u> <u>Construction Contract [Project Committee 2]</u>	145
ACTION Staff recommends that the PC 2 Board of Directors approve the contract to Butier Engineering for a total of \$176,125 for the JBL Package B Construction Management Post-Construction Contract.	
7. <u>GENERAL MANAGER'S REPORT</u>	
A. Discussion on the SCWD/SMWD Proposal Framework.....	
<ul style="list-style-type: none">• PC 15 Update carryover from October 24 Board Meeting• SCWD Proposal March 7, 2024 - PROPOSAL TO TRANSITION THE REGIONAL TREATMENT PLANT (RTP) TO MOULTON NIGUEL WATER DISTRICT (MNWD) & FACILITATE MNWD'S WITHDRAWAL FROM SOCWA• SMWD/SCWD Update [PC 2]	
ACTION Board Discussion/Direction and Action.	
B. General Counsel's Update.....	
<ul style="list-style-type: none">• JPA Revision Process (Standing item)	
ACTION Information Item	
C. Acting General Manager's Report	147
ACTION Board Discussion/Direction and Action.	

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- D. Upcoming Meetings Schedule:
- April 4, 2024 – Board of Directors Regular Meeting
 - April (TBD) – PC 2 Committee Special Meeting
 - April 11, 2024 – Engineering Committee Meeting
 - April 20, 2024 – Finance Committee Meeting
 - May 2, 2024 – Board of Directors Regular Meeting

ACTION Information Item.

8. CLOSED SESSION

- A. Closed Session Conference with Legal Counsel – Anticipated Litigation (Gov. Code 54956.9(d)(2)) – One potential matter
- B. Closed Session Pursuant to Government Code § 54957.6 Conference with Labor Negotiator.
- Agency Designated Representatives:
- Brad Neufeld of Varner & Brandt
 - Jim Burror, Acting General Manager/Director of Operations
- C. Closed Session Pursuant to Government Code § 54957.
- Public Employee Performance Evaluation
 - Title: Acting General Manager/Director of Operations
- D. Report Out of Closed Session

9. OTHER MATTERS

Determine the need to take action on the following item(s) introduced by the Acting General Manager/Director of Operations, 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.]

ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
May 2, 2024

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

Board of Directors

March 7, 2024

DRAFT

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held in person and via teleconference on March 7, 2024, 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:

MIKE DUNBAR	Emerald Bay Service District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
GAVIN CURRAN	City of Laguna Beach	Alternate Director
SANDRA JACOBS	Santa Margarita Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director [exited @ 10:05 a.m.]
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENS DORF	City of San Clemente	Director [exited at 9:40 a.m.]
ROD WOODS	Moulton Niguel Water District	Alternate Director [arrived @ 10:05 a.m.]

Staff Present:

JIM BURROR	Acting General Manager/Director of Operations
AMBER BOONE	Director of Environmental Compliance
MARY CAREY	Finance Controller
DINA ASH	HR Administrator
KONSTANTIN SHILKOV	Senior Accountant
JACK BECK	Staff Accountant
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Manager
MATT CLARK	IT Administrator
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law	DON FROELICH	Moulton Niguel Water District
BRAD NEUFELD	Varner & Brandt LLP	JOE MULLER	South Coast Water District
RICK SHINTAKU	South Coast Water District	MIKE GASKINS	El Toro Water District
DON BUNTS	Santa Margarita Water District	ERICA CASTILLO	Santa Margarita Water District
JEFF FERRE	Best Best & Krieger LLP	ALLISON BURNS	Stradling Law
SHERRY WANNINGER	Moulton Niguel Water District	DUANE CAVE	Moulton Niguel Water District
MARC SERNA	South Coast Water District	KARI VOZENILEK	Kidman Gagen Law, LLP
ROGER BUTOW	Clean Water Now (CWN)	DENNIS CAFFERTY	El Toro Water District
DAVID LARSEN	Moulton Niguel Water District	KELSEY DECASAS	Moulton Niguel Water District
OSMAN MUFTI	Sloan Sakai Yeung & Wong LLP	MARK McAVOY	City of Laguna Beach
VISHAV SHARMA	El Toro Water District	LISA OHLUND	Ohlund Mgmt. & Tech Svc.
DREW ATWATER	Moulton Niguel Water District		

1. CALL TO ORDER

Chairman Collings called the meeting to order at 8:30 a.m.

2. PLEDGE OF ALLEGIANCE – Director Mike Goldman

3. ORAL COMMUNICATIONS

None.

4. APPROVAL OF BOARD MEMBER REQUEST FOR REMOTE PARTICIPATION

None.

5. CONSENT CALENDAR

ACTION TAKEN

A motion was made by Director Dunbar and seconded by Director Freshley to approve the Consent Calendar agenda items 5A through 5H as submitted.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0
	Director Dunbar Aye
	Director Freshley Aye
	Director Collings Aye
	Director Curran Aye
	Director Jacobs Aye
	Director Goldman Aye
	Director Rebensdorf Aye

(5A thru 5H)

- A. Minutes of Board of Directors Meeting for February 1, 2024
- B. Minutes of Finance Committee Meeting for January 16, 2024
- C. Financial Reports for the Month of October and November 2023
Approved Action: The Board of Directors (i) receive and file the October and November 2023 Financial Reports, (ii) ratify the October 2023 disbursement for the period from October 1, 2023, through October 31, 2023, totaling \$2,317,317, and (iii) ratify the November 2023 disbursement for the period from November 1, 2023, through November 30, 2023, totaling \$2,919,463.
- D. Financial Reports for the Month of December 2023
Approved Action: The Board of Directors (i) receive and file the December 2023 Financial Reports, (ii) ratify the December 2023 disbursement for the period from December 1, 2023, through December 31, 2023, totaling \$2,505,237, and (iii) receive and file the Fiscal Year 2023-2024 Cash Roll Forward as submitted.
- E. Operations Report (January)
Approved Action: Information Item; receive and file.
- F. Capital Improvement Program Status Report (February)
Approved Action: Information Item.
- G. Capital Improvement Construction Projects and Change Order Report (February) [Project Committees 2, 5, 15 & 24]
Approved Action: Information Item.
- H. Budgeted Flow and Solids FY 2024-25 [Project Committees 1, 12, 15, and 17]
Approved Action: The Board of Directors approve the CY 2023 flows and solids for us in the FY 2024-25 budget.

Chairman Collings stated that due to his time constraints, he would rearrange the agenda's order addressing Agenda Item 8, Closed Session items as the next order of business.

The Board of Directors convened to Closed Session at 8:35 a.m.

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8. CLOSED SESSION

- A. A Closed Session Conference was held Pursuant to Government Code § 54957.6 with the Labor Negotiator.
- B. A Closed Session Conference was held Pursuant to Government Code § 54957 – Public Employee Performance Evaluation – Title: General Manager.

The Board of Directors reconvened to the Open Session at 9:15 a.m. Chairman Collings stated there were no reportable actions from the Closed Session.

7. GENERAL MANAGER'S REPORT

- A. Resolution No. 2024-02 – A Resolution of the Board of Directors of the South Orange County Wastewater Authority Revising the Substance Abuse Policy

ACTION TAKEN

A motion was made by Director Collings and seconded by Director Goldman to approve Resolution No. 2024-02, A Resolution of the Board of Directors of the South Orange County Wastewater Authority, Revise the Substance Abuse Policy, and repeal Resolution No. 2018-14.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0
	Director Dunbar Aye
	Director Freshley Aye
	Director Collings Aye
	Director Curran Aye
	Director Jacobs Aye
	Director Goldman Aye
	Director Rebensdorf Aye

- B. J.B. Latham Treatment Plant (JBL) Overhaul Centrifuge #3 [Project Committee 2]

ACTION TAKEN

A motion was made by Director Jacobs and seconded by Director Goldman to authorize the Acting General Manager to contract for the overhaul of Centrifuge #3 at JBL with Andritz, Inc. at the cost of \$57,155.00, plus supplemental charges, shipping, and fees to be determined at the time the unit is shipped.

Motion carried:	Aye 3, Nay 0, Abstained 0, Absent 0
	Director Collings Aye
	Director Jacobs Aye
	Director Goldman Aye

- C. Replacement Sludge Export Pump Parts [Project Committee 15]

ACTION TAKEN

A motion was made by Director Goldman and seconded by Director Dunbar to authorize the Acting General Manager to purchase replacement pump parts for the CTP from DXP, Inc. at the cost of \$89,664.00, plus shipping costs, fees, and additional tax to be determined at the time the units are shipped.

Motion carried: Aye 3, Nay 0, Abstained 1, Absent 0
Director Dunbar Aye
Director Collings Abstain
Director Curran Aye
Director Goldman Aye

- D. Amendment No. 6 – Acquisition for Use, Operation, Maintenance, and Expansion of Sewage Treatment Plant of City of San Juan Capistrano by South East Regional Reclamation Authority For and On Behalf of Project Committee No. 2 [Project Committee 2]

ACTION TAKEN

A motion was made by Director Goldman and seconded by Director Jacobs to approve Amendment No. 6 – Acquisition for Use, Operation, Maintenance, and Expansion of Sewage Treatment Plant of City of San Juan Capistrano by South East Regional Reclamation Authority For and On Behalf of Project Committee No. 2. With an expiration date of June 30, 2025, subject to approval by the PC 2 Member Agencies’.

Motion carried: Aye 3, Nay 0, Abstained 0, Absent 0
Director Collings Aye
Director Jacobs Aye
Director Goldman Aye

6. ENGINEERING MATTERS

- A. J. B. Latham Treatment Plant (JBL) Advance Treatment Evaluation Update Verbal Report [Project Committee 2]

Mr. Jim Burror, Acting General Manager, provided an update reporting on Santa Margarita Water District's potential plans for an AWT to use water taken from the J.B. Latham Treatment Plant. An open discussion ensued.

This was an information item; no action was taken.

7. GENERAL MANAGER’S REPORT (Con’t)

- E. FY 2024-25 Budget Update

There was an open discussion of the Board of Directors regarding directing the Finance Committee to review additional options for distributing equal allocation of expenses for the Administration and General Fund portion of the budget and to review the headcount for adding new positions to the Department of Environmental Compliance and Operations.

Mr. Burror noted that the Capital Improvement Plan (CIP) will be presented to the Engineering Committee next week.

This was an information item; no action was taken.

F. Discussion on the SCWD/SMWD Proposal Framework

- PC 15 Update carryover from October 24 Board Meeting
- PC 17 Discussion of ownership and operation transfer
- SMWD/SCWD Update [PC 2]

An open discussion ensued on the South Coast Water District proposal attached herein. Director Goldman clarified that the proposal is a draft based on discussions with Emerald Bay Service District and the City of Laguna Beach. He stated that there had been no discussion with other Member Agencies and that he welcomed other's feedback.

Public Speaker: Duane Cave, Moulton Niguel Water District

There were no reportable actions taken.

G. General Counsel's Updates

Ms. Adriana Ochoa, General Counsel, stated no items to report.

This was an information item; no action was taken.

H. Acting General Manager's Report

Ms. Amber Boone, Director of Environmental Compliance, summarized the survey results related to inspections of outfalls along the coast. She gave an update on the water quality analysis, including a summary table of projected information mentioning the San Diego County Water Authority's studies. An open discussion ensued.

This was an information item; no action was taken.

I. Upcoming Meetings Schedule:

- March 7, 2024 – Board of Directors Regular Meeting
- March 7, 2024 – PC 2 Committee Meeting
- March 14, 2024 – Engineering Committee Meeting
- March 19, 2024 – Finance Committee Meeting
- April 4, 2024 – Board of Directors Regular Meeting

This was an information item; no action was taken.

9. OTHER MATTERS

None.

ADJOURNMENT

There being no further business, Director Jacobs adjourned the meeting at 10:14 a.m., honoring Rick Erkeneff, Board of Director for South Coast Water District.

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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 March 7, 2024, and approved by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA)

**PROPOSAL TO TRANSITION THE REGIONAL TREATMENT PLANT (RTP) TO MOULTON NIGUEL
WATER DISTRICT (MNWD) & FACILITATE MNWD'S WITHDRAWAL FROM SOCWA**

Note: This proposal is contingent upon (1) the concurrence of the members of (a) PC-17: Regional Treatment Plant, (b) PC-2: J.B. Latham Treatment Plant, (c) PC-5: San Juan Creek Outfall, (d) PC-15: Coastal Treatment Plant, (e) PC-21: Effluent Transmission Main and (f) PC-24: Aliso Creek Outfall, and (2) the required unanimous vote of the SOCWA members to authorize MNWD's withdrawal from SOCWA.

**1. Transition of full ownership and operation of the RTP to MNWD and dissolution of
SOCWA PC-17**

- 1.1 All physical and real property assets, operations, and all liability for the RTP would be transferred to MNWD on June 30, 2024, or as soon thereafter, when (a) the agreements reflecting the terms and conditions described herein are executed among the affected parties, and (b) the SOCWA members have unanimously voted to (i) waive the 120-day notice requirement and (ii) approve MNWD's withdrawal from SOCWA.
- 1.2 SOCWA PC-17 would be concurrently dissolved with the transfer of RTP to MNWD.
- 1.3 MNWD would absorb SOCWA's current RTP operations staff and provide comparable positions and compensation. MNWD and SOCWA members acknowledge that (a) certain RTP staff are periodically used to support functions at other SOCWA facilities and (b) SOCWA has operations staff assigned to support multiple facilities, including the RTP. SOCWA and MNWD will commit to working in good faith to equitably resolve the disposition and sharing of costs for these overlapping staff positions so current levels of service are maintained for SOCWA facilities.
- 1.4 Lab Operations at the RTP would continue to be operated and managed by SOCWA. MNWD and SOCWA will work in good faith to develop an operating agreement that will allow SOCWA staff to continue to perform all necessary lab operations for SOCWA facility operations and regional permit compliance.
- 1.5 All CalPERS obligations, including Unfunded Accrued Liability (UAL), and Other Post Employment Benefits (OPEB) for the RTP operations staff and operations staff positions described above would be transferred to MNWD.
- 1.6 MNWD would make transitional payments to SOCWA for general Administrative Overhead costs that are proportionally attributable to the RTP. Administrative Overhead costs include insurance, utilities, supplies, administrative building maintenance, legal fees, outside professional services, executive and professional

services staff, administrative and office support staff, and related costs allocated in SOCWA's budget for the general administrative functions of SOCWA. Such payments would continue for a period of five (5) years and decrease by 20% per year through the five-year transition. After those five years, MNWD would have no further obligation for Administrative Overhead costs. Payments would be due each year on the anniversary date of MNWD's withdrawal from SOCWA.

2. Solids Treatment and Handling Services at RTP for PC-17 Members

2.1 MNWD would agree to provide solids treatment and handling services ("Solids Agreement") at the RTP to the former PC-17 members on a contractual basis under the following terms and conditions:

2.1.1 Operating costs would be allocated to the former PC-17 members using a methodology consistent with the methodology described in the PC-17 agreement.

2.1.2 Administrative Overhead costs charged by MNWD would be fixed at 6.5% in accordance with MNWD's June 6, 2023, operating proposal.

2.1.3 Rehabilitation & Replacement (R&R) costs, defined as costs for capital improvements required to maintain the solids handling facilities in working order and to extend the useful life thereof, would be proportionately charged to the former PC-17 members based upon their percentage of capacity ownership in the solids handling facilities under PC-17.

2.1.4 Major Capital Improvement Program (CIP) costs, defined as costs for new construction projects benefitting the former PC-17 members, which are undertaken for (a) system betterment, (b) capacity enhancement, and (c) major technology changes, would be assessed (i) by MNWD in an annual amortized CIP assessment (ii) to the former PC-17 members (iii) based upon their percentage of capacity ownership in the solids handling facilities under PC-17. The annual assessment would be (1) based upon 30-year amortized capital costs of any given Major CIP project at the BVAL Municipal AA bond published rate, adjusted annually, and (2) assessed for as long as the Solids Agreement is in effect. Former PC-17 members would not be assessed for Major CIP costs associated with capacity enhancement projects that are exclusively for MNWD's benefit.

2.1.5 The term of the Solids Agreement would be for 10 years. Former PC-17 members may terminate the Solids Agreement before 10 years under no further obligation with one (1) year written notice.

2.1.6 The Solids Agreement will be amended to extend beyond a 10 year term upon the request of the former PC-17 members.

2.2 Upon transfer of the RTP to MNWD, termination of PC-17, and the execution of the Solids Agreement, the RTP would be under the full control and governance of MNWD.

3. MNWD withdrawal from SOCWA upon transfer of Regional Treatment Plant

3.1 MNWD would withdraw from SOCWA on June 30, 2024, or as soon thereafter, when (a) the agreements reflecting the terms and conditions described herein are executed among the affected parties, and (b) the SOCWA members have unanimously voted to (i) waive the 120-day notice requirement and (ii) approve MNWD's withdrawal from SOCWA.

3.2 Prior to the transfer of the RTP and MNWD's withdrawal from SOCWA:

3.2.1 MNWD would vote to extend the term of the PC-2 agreement to February 2030;

3.2.2 MNWD will transfer its capacity ownership in J.B. Latham to SCWD; and

3.2.3 MNWD's outfall ownership capacity rights will be proportionately distributed to the respective, remaining outfall agencies.

4. MNWD On-going Contractual Services from SOCWA

4.1 MNWD would enter into separate agreements with SOCWA for (a) needed wastewater treatment at the J.B Latham facility, (b) effluent conveyance through the Effluent Transmission Main, and (c) outfall services through the San Juan Creek Outfall and the Aliso Creek Outfall ("Treatment, Conveyance, and Outfall Agreements") under the following terms and conditions:

4.1.1 Operating and Administrative Overhead costs would be charged to MNWD in a manner consistent with the current cost allocation described in the PC-2, PC-5, PC-8, PC-10, PC-2SO, PC-21, and PC-24 agreements.

4.1.2 Replacement and Refurbishment (R&R) costs, defined as costs for capital improvements required to maintain the treatment, conveyance, and outfall facilities in working order and to extend useful life thereof, would be charged to MNWD based upon its current capacity ownership in the facilities included in PC-2, PC-5, PC-10, PC-21, and PC-24.

4.1.3 Major Capital Improvement Program (CIP) costs, defined as costs for new construction projects undertaken for (a) system betterment, (b) capacity enhancement benefitting MNWD, and (c) major technology changes, would be (i) assessed by SOCWA in an annual amortized CIP assessment (ii) to MNWD (iii) based upon its existing percentage of capacity ownership in the

PC-2, PC-5, PC-10, PC-21, and PC-24 facilities. The annual assessment would be (1) based upon 30-year amortized capital costs of any given Major CIP project at the BVAL Municipal AA bond published rate, adjusted annually, and (2) assessed for as long as the Treatment, Conveyance, and Outfall Agreements were in effect. MNWD would not be assessed for Major CIP costs associated with capacity enhancement projects that are exclusively for the remaining PC-2, PC-5, PC-10, PC-21, and PC-24 members' benefit.

4.1.4 The terms of the Treatment, Conveyance and Outfall Agreements are proposed to be:

- A. 10 years for wastewater treatment at the J.B. Latham facility.
- B. 20 years for (i) conveyance through the Effluent Transmission Main, and (ii) outfall services through the San Juan Creek Outfall and Aliso Creek Outfall.

4.1.5 MNWD may terminate the Treatment, Conveyance, and Outfall Agreements with no further obligation with one (1) year written notice and will be responsible for paying their above defined share of Major CIP costs for the remaining duration of their debt obligation

4.1.6 The wastewater services agreement for the J.B. Latham facility may be extended beyond 10 years, and the outfall services and effluent transmission agreements may be extended beyond 20 years, by mutual agreement of MNWD and the PC-2, PC-5, PC-10, PC-21, and PC-24 members of SOCWA, respectively.

4.1.7 MNWD would have no governance authority under the Treatment, Conveyance, and Outfall Agreements.

4.2 Should SOCWA or the PC-2, PC-5, PC-8, PC-10, PC-2SO, PC-21, PC-24 agreements be terminated during the term of the Treatment, Conveyance, and Outfall Agreements with MNWD, the successor(s) to those PCs shall be obligated to provide service to MNWD under the same terms and conditions and for the same duration as the Treatment, Conveyance, and Outfall Agreements proposed in this section.

5. MNWD Buyout to exit SOCWA

5.1 Upon the transfer of the RTP to MNWD and its withdrawal from SOCWA, MNWD would make a buyout payment to SOCWA for application towards future PC 15 capital improvements in the amount of \$20,000,000.

6. Other MNWD Obligations – Pretreatment Program, Recycling and Discharge Permits

6.1 During the term of the wastewater services agreement with SOCWA, MNWD shall be obligated to pay a proportionate share of the costs for the Pretreatment Program and Discharge Permit attributable to the J.B Latham Plant and the San Juan Creek Outfall, proportionate share of costs attributable to water recycling permitting, and proportionate share of the costs of the Discharge Permit attributable to the Aliso Creek Outfall.

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

March 13, 2024

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Board of Directors Meeting was held in person and via teleconference on March 13, 2024, at 12:30 p.m. at their Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Board of Directors were present:

MIKE DUNBAR	Emerald Bay Service District	Director
KATHRYN FRESHLEY	El Toro Water District	Director
GAVIN CURRAN	City of Laguna Beach	Alternate Director
SAUNDRA JACOBS	Santa Margarita Water District	Alternate Director
MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENS DORF	City of San Clemente	Director [arrived @ 12:41 p.m.]

Staff Present:

JIM BURROR	Acting General Manager/Director of Operations
DINA ASH	HR Administrator
MATT CLARK	IT Administrator
DANITA HIRSH	Executive Assistant

Also Present:

BRAD NEUFELD	Varner & Brandt LLP
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1. CALL TO ORDER

Chairman Collings called the meeting to order at 12:30 p.m.

2. PLEDGE OF ALLEGIANCE – Director Mike Dunbar

3. ORAL COMMUNICATIONS

The Board of Directors convened to Closed Session at 12:31 p.m.

4. CLOSED SESSION

- A. A Closed Session was held pursuant to Government Code § 54957.6 Conference with Labor Negotiator.

Agency Designated Representatives:

- Brad Neufeld of Varner & Brandt
- Jim Burror, Acting General Manager/Director of Operations

- B. A Closed Session was held pursuant to Government Code § 54957.

- Public Employee Performance Evaluation
 - Title: Acting General Manager/Director of Operations

The Board of Directors reconvened to Open Session at 2:21 p.m.

- C. Report Out of Closed Session – There were no reportable actions.

9. OTHER MATTERS

None.

ADJOURNMENT

There being no further business, Director Collings adjourned the meeting at 2:21 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 Board of Directors on March 13, 2024, and approved by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

**Project Committee No. 2
Meeting**

**February 26, 2024
9:00 a.m.**

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Project Committee 2 was held on February 26, 2024, at 9:00 a.m. in person and via teleconference at 34156 Del Obispo Street, Dana Point, California. The following members of Project Committee No. 2 were present:

MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
SAUNDRA JACOBS	Santa Margarita Water District	Alternate Director

Staff Participation:

JIM BURROR	Director of Operations
RONI GRANT	Associate Engineer
MARY CAREY	Finance Controller
DINA ASH	HR Administrator
JEANETTE COTINOLA	Procurement/Contracts Manager
KONSTANTIN SHILKOV	Senior Accountant
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

ADRIANA OCHOA	Procopio Law
MARK BUTIER	Butier Engineering Inc.
MARC SERNA	South Coast Water District
ROD WOODS	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
TARYN KJOLSING	South Coast Water District
KARI VOZENIEK	Kidman, Gagen Law, LLC
JACK YAO	Hazen & Sawyer
ERICA CASTILLO	Santa Margarita Water District
OSMAN MUFTI	Sloan Sakai Yeung & Wong LLP
SHERRY WANNINGER	Moulton Niguel Water District

1. Call Meeting to Order

Committee Member Jacobs called the meeting to order at 9:02 a.m., stating the agenda rearrangement and that the Committee would be going into Closed Session. All other business would follow afterward.

2. Public Comments

None.

The PC 2 Committee convened to Closed Session at 9:03 a.m.

5. Closed Session

- A. A Closed Session Conference was held with Legal Counsel – Anticipated Litigation (Gov. Code 54956.9(d)(2)) – One potential matter
- B. A Closed Session Conference was held with Legal Counsel – Existing Litigation (Gov. Code 54956.9(d)(1)) – *CSI Electrical Contractors, Inc. v. Olsson Construction, Inc., South Orange County Wastewater Authority, et al.*

Orange County Superior Court Case No. 30-2024-01379217-CU-CO-CJC

The PC 2 Committee reconvened to Open Session at 9:57 a.m.

- C. Report out of Closed Session – There were no reportable actions.

3. Contract Award for MCC M, Switchgear Circuit Breaker, and Portable Generator Connection Pre-Procurement [Project Committee 2]

The PC 2 Committee Members conferred to defer the agenda item to the Engineering Committee until the Capital budget is reviewed and approved.

Director Goldman noted that he supported deferring the item and cited the need to keep the existing equipment functioning to avoid additional cost markup from the vendor.

ACTION TAKEN

A motion was made by Director Goldman to approve the contract to Pacific Parts & Controls for a total of \$217,545, including a 10% contingency for the JBL MCC-M, switchgear circuit breaker, and portable generator connection pre-procurement, being there was no second, the motion failed.

4. J.B. Latham Treatment Plant (JBL) Effluent Pump Station and Energy Building Design Contract [Project Committee 2]

The PC 2 Committee Members concurred to defer the agenda item to the Engineering Committee until the Capital budget is reviewed and approved.

Adjournment

There being no further business, Chairman Collings adjourned the meeting at 10:08 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 Project Committee No. 2 of February 26, 2024, and approved by the Project Committee No. 2, and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

**Project Committee No. 2
Meeting**

**March 7, 2024
10:00 a.m.**

(or immediately following the Board of Directors Meeting)

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Project Committee 2 was held on March 7, 2024, at 10:00 a.m. (or immediately following the Board of Directors Meeting) in person and via teleconference at 34156 Del Obispo Street, Dana Point, California. The following members of Project Committee No. 2 were present:

ROD WOODS	Moulton Niguel Water District	Alternate Director
SCOTT GOLDMAN	South Coast Water District	Director
SAUNDRA JACOBS	Santa Margarita Water District	Alternate Director

Staff Participation:

JIM BURROR	Director of Operations
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

ADRIANA OCHOA	Procopio Law
MARK BUTIER	Butier Engineering Inc.
MARC SERNA	South Coast Water District
DON BUNTS	Santa Margarita Water District

1. Call Meeting to Order

Committee Member Jacobs called the meeting to order at 10:17 a.m.

2. Public Comments

None.

The PC 2 Committee convened to Closed Session at 10:17 a.m.

5. Closed Session

- A. A Closed Session Conference was held with Legal Counsel – Anticipated Litigation (Gov. Code 54956.9(d)(2)) – One potential matter.
- B. A Closed Session Conference was held with Legal Counsel – Existing Litigation (Gov. Code 54956.9(d)(1)) – *CSI Electrical Contractors, Inc. v. Olsson Construction, Inc., South Orange County Wastewater Authority, et al.*

Orange County Superior Court Case No. 30-2024-01379217-CU-CO-CJC

The PC 2 Committee reconvened to Open Session at 11:08 a.m.

- C. Report out of Closed Session – There were no reportable actions.

Adjournment

There being no further business, Chairman Collings adjourned the meeting at 11:08 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 Project Committee No. 2 of March 7, 2024, and approved by the Project Committee No. 2, and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

February 20, 2024

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on February 20, 2024, 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
DENNIS CAFFERTY	El Toro Water District	Alternate Director
ERICA CASTILLO	Santa Margarita Water District	Alternate Director
PAM ARENDS-KING	South Coast Water District	Alternate Director

Absent:

MATT COLLINGS	Moulton Niguel Water District	Director
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Staff Participation:

JIM BURROR	Acting General Manager
MARY CAREY	Finance Controller
AMBER BOONE	Director of Environmental Compliance
RONI GRANT	Associate Engineer
JACK BECK	Staff Accountant
KONSTANTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
DINA ASH	HR Administrator
MATT CLARKE	IT Administrator

Also Participating:

ADRIANA OCHOA	Procopio Law
SCOTT GOLDMAN	South Coast Water District
KATHRYN FRESHLEY	El Toro Water District
KELSEY DECASAS	Moulton Niguel Water District
SAUNDRA JACOBS	Santa Margarita Water District

1. Call Meeting to Order

Chairperson Castillo called the meeting to order at 10:30 a.m.

2. Public Comments

None.

3. Approval of Minutes

- Finance Committee Meeting of January 16, 2024.

ACTION TAKEN

A motion was made by Director Cafferty and seconded by Director Curran to approve the Minutes for January 16, 2024, as corrected.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent 1
Director Castillo Aye
Director Curran Aye
Director Cafferty Aye
Director Collings Absent
Director Arends-King Aye

4. Financial Reports for the Month of October and November 2023

ACTION TAKEN

A motion was made by Director Castillo and seconded by Director Arends-King recommends that the Board of Directors (i) receive and file the October and November 2023 Financial Reports, (ii) ratify the October 2023 disbursement for the period from October 1, 2023, through October 31, 2023, totaling \$2,317,317, (iii) ratify the November 2023 disbursement for the period from November 1, 2023, through November 30, 2023, totaling \$2,919,463.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent 1
Director Castillo Aye
Director Curran Aye
Director Cafferty Aye
Director Collings Absent
Director Arends-King Aye

5. Financial Reports for the Month of December 2023

ACTION TAKEN

A motion was made by Director Cafferty and seconded by Director Arends-King recommends that the Board of Directors (i) receive and file the December 2023 Financial Reports, (ii) ratify the December 2023 disbursement for the period from December 1, 2023, through December 31, 2023, totaling \$2,505,237, (iii) receive and file the Fiscal Year 2023-24 Q2 Cash Roll Forward as submitted.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent 1
Director Castillo Aye
Director Curran Aye
Director Cafferty Aye
Director Collings Absent
Director Arends-King Aye

6. Key Budget Assumption for Preparing the Draft FY 2024-25 Budget

An open discussion ensued during the FY2024-25 Budget Update presentation by Ms. Mary Carey, Finance Controller. Staff discussed financial reports, budget planning, and laboratory operations while providing an overview of financial reports. Ms. Carey and Mr. Jim Burror, Acting General Manager, also discussed the budget for the year and the anticipated spending of collected funds, managing retiree health insurance costs, and tracking and managing employee time off and fringe benefits. Finally, the speakers discussed the organization's plan to transition its treatment plants and the budget allocation and cost management for the upcoming year.

Ms. Amber Boone, Director of Environmental Compliance, presented a memo highlighting key areas and drivers for the laboratory's operations.

There was consensus among the Finance Committee Members directing staff to present the Budget Update presentation, the two memos for the FTE Lab position, and the time study to the full Board at its next meeting.

Adjournment

There being no further business, Chairperson Castillo adjourned the meeting at 12:05 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 Finance Committee of February 20, 2024, and approved by the Finance Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh / Assistant Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

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

Engineering Committee

January 18, 2024

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on January 18, 2024, 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:

MARK McAVOY	City of Laguna Beach
HANNAH FORD	El Toro Water District
DAVE LARSEN	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District
MARC SERNA	South Coast Water District
MIKE DUNBAR	Emerald Bay Service District

Absent:

DAVE REBENDS DORF	City of San Clemente
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Staff Present:

JIM BURROR	Acting General Manager/Director of Operations
RONI GRANT	Associate Engineer
MATT CLARKE	IT Administrator
MARY CAREY	Finance Controller
DINA ASH	HR Administrator
ANNA SUTHERLAND	Accounts Payable
JEANETTE COTINOLA	Procurement/Contracts Manager
DANITA HIRSH	Executive Assistant

Also Present:

ADRIANA OCHOA	Procopio Law
TARYN KJOLSING	South Coast Water District
SHERRY WANNINGER	Moulton Niguel Water District
ROGER BUTOW	Clean Water Now (CWN)

1. Call Meeting to Order

Ms. Roni Grant, Associate Engineer, called the meeting to order at 8:32 a.m.

2. Public Comments

None.

3. Approval of Minutes

- Engineering Committee Minutes of November 9, 2023.

ACTION TAKEN

A motion was made by Mr. Bunts and seconded by Mr. Serna to approve the Engineering Committee Minutes for November 9, 2023, as submitted.

Motion carried: Aye 6, Nay 0, Abstained 0, Absent 1
Mr. McAvoy Aye
Ms. Ford Aye
Mr. Dunbar Aye
Mr. Larsen Aye
Mr. Bunts Aye
Mr. Serna Aye
Mr. Rebensdorf Absent

4. Operations Report

Mr. Jim Burror, Acting General Manager/Director of Operations, reported on the schedule and timeline for the FY 2024-25 budget preparation. He stated that the budget assumptions were presented to the Finance Committee for feedback and direction. Mr. Burror also reported on behalf of Ms. Amber Baylor, Director of Environmental Compliance, that she was attending the 2nd workshop held by NWRI on ocean acidification modeling efforts to ensure future regulations associated with the process had meaningful impacts on the environment. An open discussion ensued.

This was an information item; no action was taken.

5. J.B. Latham Treatment Plant Package B Project [Project Committee 2]

An open discussion ensued regarding Olsson's response to Butier's TIA analysis. A meet and confer has been requested to discuss options and to hold a Closed Session meeting with the PC 2 Members.

This was an information item; no action was taken.

6. Capital Improvement Construction Projects Progress and Change Order Report (January) [Project Committee 2]

Ms. Grant updated the Committee on the JBL Centrate Line project upgrades and the CTP Diffusers Replacement project timelines. An open discussion ensued.

This was an information item; no action was taken.

7. Contract Award for Aliso Creek Ocean Outfall and San Juan Creek Ocean Outfall Ballast Maintenance Project [Project Committee 5 and 24]

ACTION TAKEN

A motion was made by Mr. Dunbar and seconded by Mr. Bunts that the PC 5 and PC 24 Boards; i. Find that the Aliso Creek Ocean Outfall and San Juan Creek Ocean Outfall Ballast Maintenance Project are statutorily exempt; ii. Approve a budget amendment for Project 342410 (ACOO Ballast Repair) to increase the Project budget by \$30,000 to \$280,000; and iii. Approve the contract to Subsea Global Solutions, Inc., for a total amount of \$370,000 for the ACOO and SCJOO Ballast Maintenance Project with a contingency of \$37,000 (10% of the contract).

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Motion carried:	Aye 6, Nay 0, Abstained 0, Absent 1
	Mr. McAvoy Aye
	Ms. Ford Aye
	Mr. Dunbar Aye
	Mr. Larsen Aye
	Mr. Bunts Aye
	Mr. Serna Aye
	Mr. Rebensdorf Absent

Adjournment

There being no further business, Ms. Grant adjourned the meeting at 8:57 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 Engineering Committee of January 18, 2024, and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

Danita Hirsh, Assistant Board Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Agenda Item

5.E.

Board of Directors Meeting

Meeting Date: April 4, 2024

TO: Board of Directors

FROM: Jim Burror, General Manager/Director of Operations

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Financial Reports for the Month of January 2024

Summary/Discussion

The following selected financial reports are routinely provided monthly to the Finance Committee for recommendation to the Board of Directors to ratify Cash Disbursements and receive and file the remaining documents.

The reports included are as follows:

1. Summary of Disbursements for January 2024 (Exhibit A)
2. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
3. Schedule of Cash and Investments (Exhibit C)
4. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
5. Budget vs. Actual Expenses:
 - Operations and Environmental Summary (Exhibit E-1)
 - Operations and Environmental by PC (E-1.2)
 - Residual Engineering, after transfer to Capital (Exhibit E-2)
 - Administration (Exhibit E-3)
 - Information Technology (IT) (Exhibit E-4)

Fiscal Impact

January 2024 cash disbursements were: \$5,096,522.

- Monthly disbursements are summarized in the attached Exhibit A.
- The attached Exhibits B, C, D, and E are informational reports only.

Recommended Action: The Finance Committee recommends that the Board of Directors (i) receive and file the January 2024 Financial Reports and (ii) ratify the January 2024 disbursement for the period from January 1, 2024, through January 31, 2024, totaling \$5,096,522.

Exhibit A

South Orange County Wastewater Authority Summary of Disbursements for January 2024 Staff Recommendation of Fiscal Matters

	Actual¹
General Fund ²	\$ (1,206,538)
PC 2 - Jay B. Latham Plant	(1,190,602)
PC 5 - San Juan Creek Ocean Outfall	(86,255)
PC 8 - Pretreatment Program	(39,764)
PC 12 SO - Water Reclamation Permits	(131,890)
PC 15 - Coastal Treatment Plant/AWT	(578,873)
PC 17 - Joint Regional Wastewater Reclamation	(1,651,227)
PC 21 - Effluent Transmission Main	(28,354)
PC 23 - North Coast Interceptor	(5,600)
PC 24 - Aliso Creek Ocean Outfall	(177,420)
Total	\$ (5,096,522)

¹Cash disbursements include payouts for the Use Audit Settlement FY 2022-23 to Member Agencies, totaling \$2,295,815.

²The month of January includes three payroll payouts totalling \$958,046.

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of January 31, 2024**

CASH IN BANK: (BEGINNING BAL.)	\$ 2,024,367
L.A.I.F. FUNDS: (BEGINNING BAL.)	11,910,916
DEPOSITS, TRANSFERS & ADJUSTMENTS:	2,795,198 ¹
FUND REQUIREMENTS:	
BILLS FOR CONSIDERATION ¹	<u>(5,096,522)</u>
TOTAL CASH IN BANK	<u>\$ 11,633,959</u>

¹ Received payment for Q2 Billings on Jan 1

In accordance with Government Code 53646(c), since all funds are placed in the State LAIF, staff has included in the Financial Packet, the most current statement from the State LAIF, in lieu of the report required by Government Code 53646(b)(1).

In accordance with requirements of the Government Code and the "SOCWA Investment Policy", I hereby certify that:

- 1). All investment actions executed since the last report have been made in full compliance with the Investment Policy.
- 2). SOCWA does not have sufficient funds currently on hand to meet its expenditure obligations for the next six months (see note) due to the fact that SOCWA bills and receives operational funds on a quarterly basis only.

Jim Burror
Acting General Manager/Director of Operations

Note: Operational funds are collected on a quarterly basis at the beginning of the quarter. Capital funds are collected on a quarterly basis in connection with projected needs. Member agencies have pledged to have funds available to meet all obligations.



PMIA/LAIF Performance Report as of 3/06/24



Quarterly Performance Quarter Ended 12/31/23

LAIF Apportionment Rate ⁽²⁾ :	4.00
LAIF Earnings Ratio ⁽²⁾ :	0.00010932476863589
LAIF Administrative Cost ^{(1)*} :	0.29
LAIF Fair Value Factor ⁽¹⁾ :	0.993543131
PMIA Daily ⁽¹⁾ :	3.96
PMIA Quarter to Date ⁽¹⁾ :	3.81
PMIA Average Life ⁽¹⁾ :	230

PMIA Average Monthly Effective Yields⁽¹⁾

February	4.122
January	4.012
December	3.929
November	3.843
October	3.670
September	3.534

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 1/31/24 \$165.8 billion

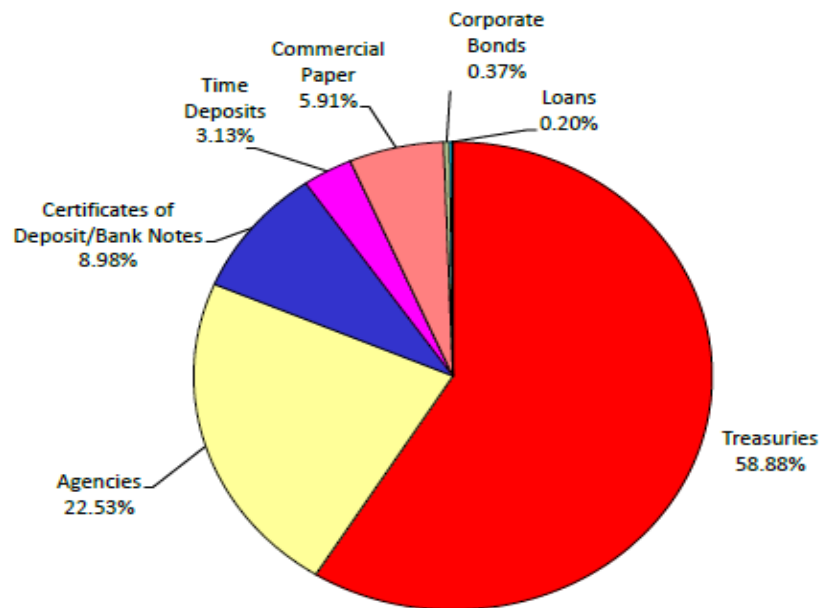


Chart does not include \$2,112,000.00 in mortgages, which equates to 0.001%. Percentages may not total 100% due to rounding.

Exhibit C

**South Orange County Wastewater Authority
Schedule of Cash and Investments
as of January 31, 2024**

MVA	\$ 2,845	(A)
A/P Checking	1,180,598	(B)
Payroll Checking	134,598	(C)
State LAIF	10,315,918	(D)
Total Cash in Bank¹	\$ 11,633,959	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 11,635,559	
OPEB Trust	6,623,470	(F)
Total Cash and Investments	\$ 18,259,029	

¹Bank balance at the end of a month may differ from an accounting closing balance as there may be in-transit items that haven't cleared the bank.

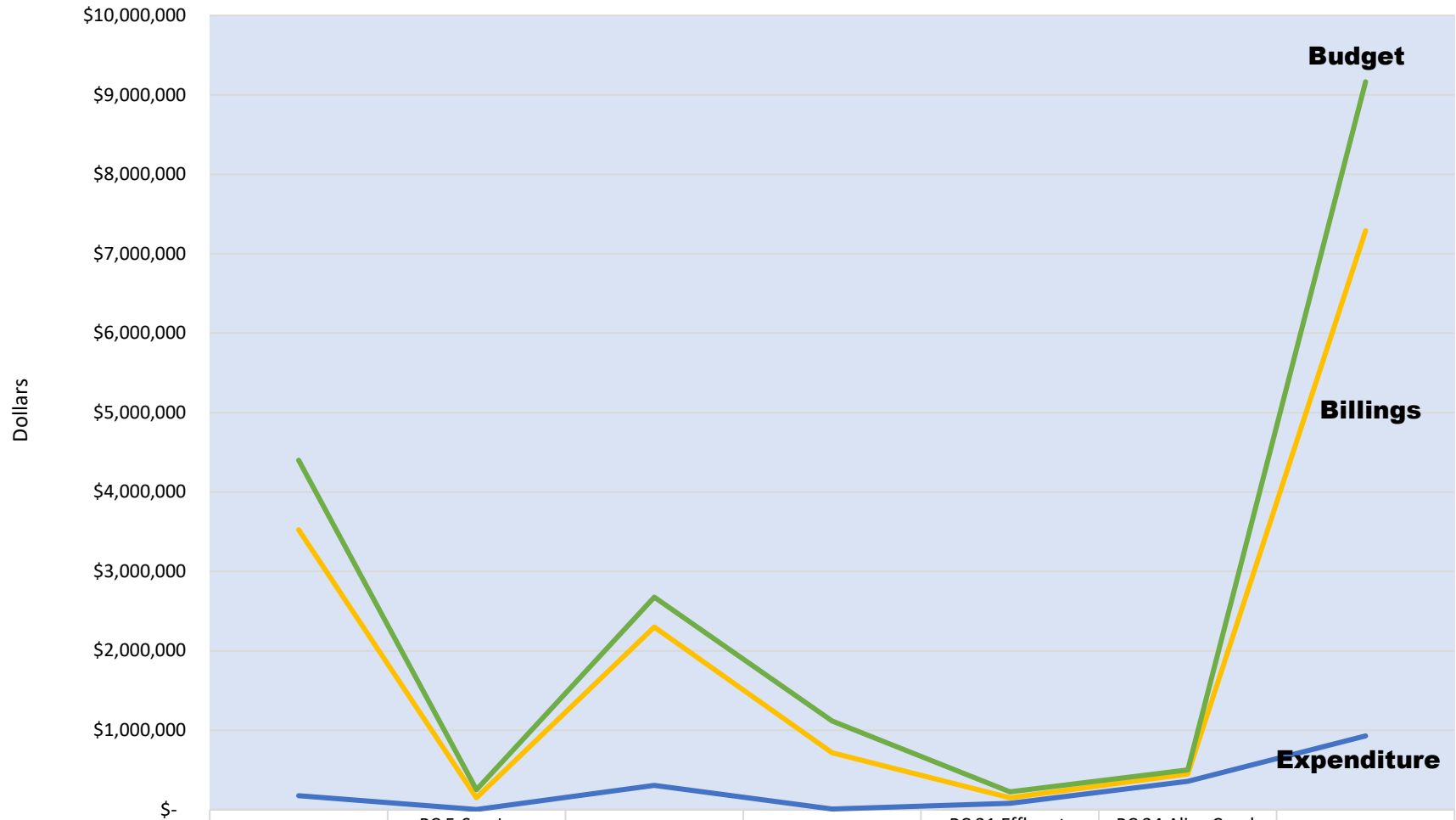
Notes:

- (A) Interest bearing account; all cash receipts are deposited in this account and later moved to the LAIF account.
- (B) Accounts Payable Checks are drawn against this account; money is transferred to this account, as needed, from the LAIF account.
- (C) Payroll including payroll taxes and related liabilities are drawn against this account; money is transferred into this account, as needed, from the LAIF account.
- (D) California State Local Agency Investment Fund (LAIF) balance.
- (E) Cash on hand with GM's office and held by Chief Operators at each Treatment facility.
- (F) OPEB Trust Fund; these funds can only be used for Retiree Health Benefits.

**South Orange County Wastewater Authority
Capital Projects Summaries
For the Period Ended January 31, 2024
(in dollars)**

FY 2023-24 Budget vs. Actual Spending								
Description	Capital Budget	Fiscal Year Spending	(Over)/ Under Budget	% Expended	Member Agency Billed	Member Agency Collections	Open Receivables	% Expended vs. Billed
PC 2-JB Latham	\$ 4,400,000	\$ 176,540	\$ 4,223,460	4.0%	\$ 3,525,000	\$ 3,400,000	\$ 125,000	5.0%
PC 5-San Juan Creek Outfall	250,000	2,665	247,335	1.1%	150,000	100,000	50,000	1.8%
PC 15-Coastal	2,675,000	305,905	2,369,095	11.4%	2,300,000	2,275,000	25,000	13.3%
PC 17-Regional	1,115,000	7,215	1,107,785	0.6%	715,000	715,000	-	1.0%
PC 21 Effluent Transmission	225,000	80,805	144,195	35.9%	150,000	150,000	-	53.9%
PC 24 Aliso Creek Outfall	500,000	355,933	144,067	71.2%	450,000	350,000	100,000	79.1%
Total Large Capital	\$ 9,165,000	\$ 929,063	\$ 8,235,937	10.1%	\$ 7,290,000	\$ 6,990,000	\$ 300,000	12.7%
Non-Capital Engineering	905,000	33,694	871,306	3.7%	497,500	427,500	70,000	6.8%
Non-Capital Misc Engineering	-	-	-	-	-	-	-	-
Small Internal Capital	2,013,000	1,000,325	1,012,675	49.7%	1,509,750	1,006,500	503,250	66.3%
Total Capital	\$ 12,083,000	\$ 1,963,082	\$ 10,119,918	16.2%	\$ 9,297,250	\$ 8,424,000	\$ 873,250	21.1%

Large Capital Projects Fiscal Year 2023-24 Budget vs. Exhibit D-1 Year-to-Date Expenditures & Billings as of 01/31/2024



	PC 2-JB Latham	PC 5-San Juan Creek Outfall	PC 15-Coastal	PC 17-Regional	PC 21 Effluent Transmission	PC 24 Aliso Creek Outfall	Total Large Capital
Spent - YTD 01/31/2024	\$176,540	\$2,665	\$305,905	\$7,215	\$80,805	\$355,933	\$929,063
FY 23-24 Billings	\$3,525,000	\$150,000	\$2,300,000	\$715,000	\$150,000	\$450,000	\$7,290,000
Capital Budget FY 23-24	\$4,400,000	\$250,000	\$2,675,000	\$1,115,000	\$225,000	\$500,000	\$9,165,000

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary¹
For the Period Ended January 31, 2024
(in dollars)

		FY 2023-24 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
Salary and Fringe								
5000..*.*.*	Regular Salaries-O&M	5,065,446		5,065,446	2,775,752	2,289,694	54.8%	
5001..*.*.*	Overtime Salaries-O&M	82,008		82,008	97,038	(15,030)	118.3%	(1)
5306..*.*.*	Scheduled Holiday Work	68,376		68,376	56,049	12,327	82.0%	
5315..*.*.*	Comp Time - O&M	17,628		17,628	28,239	(10,611)	160.2%	
5401..*.*.*	Fringe Benefits IN to PC's & Depts.	2,731,721		2,731,721	1,665,349	1,066,372	61.0%	
5700..*.*.*	Standby Pay	104,000		104,000	60,900	43,100	58.6%	
	Total Payroll Costs	8,069,179	-	8,069,179	4,683,327	3,385,853	58.0%	
Other Expenses								
5002..*.*.*	Electricity	1,260,000		1,260,000	883,554	376,446	70.1%	(2)
5003..*.*.*	Natural Gas	490,500		490,500	250,531	239,969	51.1%	
5004..*.*.*	Potable & Reclaimed Water	78,000		78,000	41,502	36,498	53.2%	
5005..*.*.*	Co-generation Power Credit	(1,302,000)		(1,302,000)	(712,039)	(589,961)	54.7%	
5006..*.*.*	Chlorine/Sodium Hypochlorite	181,000		181,000	157,623	23,377	87.1%	(3)
5007..*.*.*	Polymer Products	1,040,000		1,040,000	747,056	292,944	71.8%	
5008..*.*.*	Ferric Chloride	880,000		880,000	688,843	191,157	78.3%	(4)
5009..*.*.*	Odor Control Chemicals	155,000		155,000	151,608	3,392	97.8%	
5010..*.*.*	Other Chemicals - Misc.	2,000		2,000	126	1,874	6.3%	
5011..*.*.*	Laboratory Services	56,632		56,632	33,418	23,214	59.0%	
5012..*.*.*	Grit Hauling	132,500		132,500	89,150	43,350	67.3%	
5013..*.*.*	Landscaping	211,000		211,000	122,333	88,667	58.0%	
5015..*.*.*	Management Support Services	527,000	52,987	579,987	88,776	491,211	15.3%	
5016..*.*.*	Audit - Environmental	1,304		1,304	-	1,304	0.0%	
5017..*.*.*	Legal Fees	30,672		30,672	5,906	24,767	19.3%	
5018..*.*.*	Public Notices/ Public Relations	1,500		1,500	-	1,500	0.0%	
5019..*.*.*	Contract Services Misc.	372,996		372,996	194,517	178,479	52.1%	
5021..*.*.*	Small Vehicle Expense	24,128		24,128	35,897	(11,769)	148.8%	
5022..*.*.*	Miscellaneous Expense	16,032		16,032	2,602	13,431	16.2%	
5023..*.*.*	Office Supplies - All	48,000		48,000	25,777	22,224	53.7%	
5024..*.*.*	Petroleum Products	27,000		27,000	19,286	7,714	71.4%	
5025..*.*.*	Uniforms	78,000		78,000	57,307	20,693	73.5%	
5026..*.*.*	Small Vehicle Fuel	20,272		20,272	12,446	7,826	61.4%	
5027..*.*.*	Insurance - Property/Liability	535,873		535,873	545,398	(9,525)	101.8%	(5)
5028..*.*.*	Small Tools & Supplies	77,668		77,668	41,701	35,967	53.7%	
5030..*.*.*	Trash Disposal	9,000		9,000	5,603	3,397	62.3%	
5031..*.*.*	Safety Program & Supplies	114,956		114,956	78,154	36,802	68.0%	
5032..*.*.*	Equipment Rental	7,000		7,000	3,496	3,504	49.9%	
5033..*.*.*	Recruitment	2,300		2,300	-	2,300	0.0%	
5034..*.*.*	Travel Expense/Tech. Conferences	75,078		75,078	14,091	60,987	18.8%	
5035..*.*.*	Training Expense	50,479		50,479	42,259	8,220	83.7%	(5)
5036..*.*.*	Laboratory Supplies	127,092		127,092	81,321	45,771	64.0%	
5037..*.*.*	Office Equipment	27,000		27,000	4,757	22,244	17.6%	
5038..*.*.*	Permits	635,836		635,836	591,529	44,307	93.0%	(5)
5039..*.*.*	Membership Dues/Fees	13,153		13,153	20,977	(7,823)	159.5%	
5044..*.*.*	Offshore Monitoring	81,604		81,604	51,390	30,214	63.0%	
5045..*.*.*	Offshore Biochemistry - 20B	22,500		22,500	-	22,500	0.0%	
5046..*.*.*	Effluent Chemistry	50,948		50,948	30,303	20,645	59.5%	
5047..*.*.*	Access Road Expenses	45,000		45,000	2,460	42,540	5.5%	
5048..*.*.*	Storm Damage	20,000		20,000	-	20,000	0.0%	
5049..*.*.*	Biosolids Disposal	1,747,500		1,747,500	1,029,236	718,264	58.9%	(6)
5050..*.*.*	Contract Services Generators - 29A	23,000		23,000	7,437	15,563	32.3%	
5052..*.*.*	Janitorial Services	95,000		95,000	54,780	40,221	57.7%	
5053..*.*.*	Contract Serv - Digester Cleaning - 29E	80,000		80,000	-	80,000	0.0%	
5054..*.*.*	Diesel Truck Maint	43,000		43,000	45,848	(2,848)	106.6%	(7)
5055..*.*.*	Diesel Truck Fuel	11,800		11,800	4,590	7,210	38.9%	
5056..*.*.*	Maintenance Equip. & Facilities (Solids)	300,000		300,000	134,010	165,990	44.7%	
5057..*.*.*	Maintenance Equip. & Facilities (Liquids)	510,000		510,000	424,534	85,466	83.2%	(8)
5058..*.*.*	Maintenance Equip. & Facilities (Common)	92,008		92,008	47,026	44,982	51.1%	
5059..*.*.*	Maintenance Equip. & Facilities (Co-Gen)	836,700		836,700	488,151	348,549	58.3%	
5060..*.*.*	Maintenance Equip. & Facilities (AWT)	39,000		39,000	11,335	27,665	29.1%	
5061..*.*.*	Mileage	2,900		2,900	1,113	1,787	38.4%	
5068..*.*.*	MNWD Potable Water Supplies & Svcs.	44,880		44,880	18,499	26,381	41.2%	

South Orange County Wastewater Authority
O & M & Environmental Safety Costs Summary¹
For the Period Ended January 31, 2024
(in dollars)

		FY 2023-24 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended	
5076--**-**	SCADA Infrastructure	93,600		93,600	81,922	11,678	87.5%	(5)
5077--**-**	IT Direct	45,000		45,000	48,879	(3,879)	108.6%	(5)
5105--**-**	Co-Generation Power Credit - Offset	1,302,000		1,302,000	712,039	589,961	54.7%	
5303--**-**	Group Insurance Waiver	14,400		14,400	10,592	3,808	73.6%	
5305--**-**	Medicare Tax Payments for Employees	152		152	-	152	0.0%	
5309--**-**	Operating Leases	20,000		20,000	11,030	8,970	55.1%	
5705--**-**	Monthly Car Allowance	31,200		31,200	14,829	16,370	47.5%	
5797--**-**	Verily Stipends - WastewaterSCAN Monitoring	-		-	(28,800)	28,800	0.0%	
5799--**-**	Zephyr Wall Costs Share-O&M	(14,000)		(14,000)	-	(14,000)	0.0%	
6500--**-**	IT Allocations in to PC's & Depts.	620,553		620,553	369,408	251,145	59.5%	
	Total Other Expenses	12,165,718	52,987	12,218,705	7,896,113	4,322,592	64.6%	
	Total O&M Expenses	20,234,898	52,987	20,287,885	12,579,440	7,708,445	62.0%	

¹ This report intends to monitor the Annual Budget % Expended at the Project Committee and Functional Department levels.

The financial information contained in this report, in some cases, is based on the full accrual basis of accounting, whereby expenses are recognized in the period in which the liability is incurred, i.e., payroll and fringe benefits.

There are instances where we will include the total expense for the entire accounting fiscal year if the information is available, i.e., property and liability insurance premiums.

The audited financial statements for the fiscal year recognize all expenses on the full accrual basis of accounting.

- (1) Staff overtime was elevated due to three (3) nighttime shutdowns to support the ACOO internal repair project and two (2) projects at JBL.
- (2) Increases in power costs approved by the CPUC are above assumed increased rates.
- (3) Bleach usage elevated during the initial months of the Fiscal Year for summer AWT production at CTP.
- (4) Higher levels of influent solids than budgeted at JBL and increased usage at CTP due to relocated the ferric dosing location due to influent meter interference.
- (5) Annual charges incurred at the beginning of the Fiscal Year and at the end of the calendar year.
- (6) Biosolids costs are increased due to landfill closures on hotter days. This new type of closure was instituted in May 2023 at the landfill to help mitigate odor complaints at the landfill and was not anticipated with the preparation of the Budget.
- (7) Both large Deisel vehicles had unplanned and significant emissions control system repairs.
- (8) Several larger O&M projects were completed prior to the rainy season.

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC¹
For the Period Ended January 31, 2024
(in dollars)

		FY 2023-24 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant							
Salary and Fringe							
02-5000-***	Regular Salaries-O&M	1,785,000		1,785,000	937,689	847,311	52.5%
02-5001-***	Overtime Salaries-O&M	27,208		27,208	37,596	(10,388)	138.2% (1)
02-5306-***	Scheduled Holiday Work	30,000		30,000	24,873	5,127	82.9%
02-5315-***	Comp Time - O&M	8,604		8,604	9,054	(450)	105.2% (1)
02-5401-***	Fringe Benefits IN to PC's & Depts.	962,625		962,625	562,613	400,011	58.4%
02-5700-***	Standby Pay	37,846		37,846	22,300	15,546	58.9%
	Total Payroll Costs	2,851,283	-	2,851,283	1,594,126	1,257,157	55.9%
Other Expenses							
02-5002-***	Electricity	660,000		660,000	471,455	188,545	71.4% (2)
02-5003-***	Natural Gas	252,000		252,000	99,344	152,656	39.4%
02-5004-***	Potable & Reclaimed Water	27,000		27,000	13,855	13,145	51.3%
02-5006-***	Chlorine/Sodium Hypochlorite	21,000		21,000	43,901	(22,901)	209.1% (3)
02-5007-***	Polymer Products	390,000		390,000	289,317	100,683	74.2% (3)
02-5008-***	Ferric Chloride	300,000		300,000	214,485	85,515	71.5% (3)
02-5009-***	Odor Control Chemicals	38,000		38,000	19,271	18,729	50.7%
02-5010-***	Other Chemicals - Misc.	1,000		1,000	-	1,000	0.0%
02-5011-***	Laboratory Services	20,108		20,108	6,316	13,792	31.4%
02-5012-***	Grit Hauling	70,500		70,500	55,197	15,303	78.3% (3)
02-5013-***	Landscaping	68,000		68,000	41,989	26,011	61.7%
02-5015-***	Management Support Services	16,500		16,500	10,101	6,399	61.2%
02-5017-***	Legal Fees	5,000		5,000	472	4,528	9.4%
02-5019-***	Contract Services Misc.	129,000		129,000	68,934	60,066	53.4%
02-5021-***	Small Vehicle Expense	11,000		11,000	14,399	(3,399)	130.9% (4)
02-5022-***	Miscellaneous Expense	8,000		8,000	1,381	6,619	17.3%
02-5023-***	Office Supplies - All	30,000		30,000	14,251	15,749	47.5%
02-5024-***	Petroleum Products	11,000		11,000	1,788	9,212	16.3%
02-5025-***	Uniforms	36,000		36,000	26,306	9,694	73.1%
02-5026-***	Small Vehicle Fuel	8,000		8,000	4,549	3,451	56.9%
02-5027-***	Insurance - Property/Liability	188,606		188,606	195,518	(6,912)	103.7% (4)
02-5028-***	Small Tools & Supplies	35,000		35,000	12,388	22,612	35.4%
02-5030-***	Trash Disposal	3,000		3,000	1,151	1,849	38.4%
02-5031-***	Safety Program & Supplies	40,032		40,032	25,795	14,237	64.4% (4)
02-5032-***	Equipment Rental	3,000		3,000	-	3,000	0.0%
02-5033-***	Recruitment	1,000		1,000	-	1,000	0.0%
02-5034-***	Travel Expense/Tech. Conferences	18,163		18,163	5,643	12,520	31.1%
02-5035-***	Training Expense	15,420		15,420	13,962	1,458	90.5% (4)
02-5036-***	Laboratory Supplies	21,412		21,412	11,717	9,695	54.7%
02-5037-***	Office Equipment	14,000		14,000	4,541	9,459	32.4%
02-5038-***	Permits	27,032		27,032	21,284	5,748	78.7%
02-5039-***	Membership Dues/Fees	3,423		3,423	7,255	(3,832)	211.9% (4)
02-5049-***	Biosolids Disposal	750,000		750,000	367,672	382,328	49.0% (5)
02-5050-***	Contract Services Generators - 29A	10,000		10,000	-	10,000	0.0%
02-5052-***	Janitorial Services	43,000		43,000	23,393	19,607	54.4%
02-5053-***	Contract Serv - Digester Cleaning - 29E	15,000		15,000	-	15,000	0.0%
02-5054-***	Diesel Truck Maint	23,000		23,000	22,981	19	99.9% (6)
02-5055-***	Diesel Truck Fuel	3,300		3,300	2,478	822	75.1%
02-5056-***	Maintenance Equip. & Facilities (Solids)	125,000		125,000	37,772	87,228	30.2%
02-5057-***	Maintenance Equip. & Facilities (Liquids)	200,000		200,000	156,063	43,937	78.0% (7)
02-5058-***	Maintenance Equip. & Facilities (Common)	30,000		30,000	21,345	8,655	71.2%
02-5059-***	Maintenance Equip. & Facilities (Co-Gen)	297,000		297,000	194,510	102,490	65.5%
02-5061-***	Mileage	1,400		1,400	587	813	41.9%
02-5076-***	SCADA Infrastructure	31,200		31,200	25,664	5,536	82.3% (3)
02-5077-***	IT Direct	15,000		15,000	15,335	(335)	102.2% (3)
02-5303-***	Group Insurance Waiver	3,600		3,600	1,108	2,492	30.8%
02-5309-***	Operating Leases	20,000		20,000	11,030	8,970	55.1%
02-5705-***	Monthly Car Allowance	18,600		18,600	7,899	10,701	42.5%
02-5797-***	Verily Stipends - WastewaterSCAN Monitoring	-		-	(9,600)	9,600	100.0%
02-5799-***	Zephyr Wall Costs Share-O&M	(14,000)		(14,000)	-	(14,000)	0.0%
02-6500-***	IT Allocations in to PC's & Depts.	218,718		218,718	130,201	88,518	59.5%
	Total Other Expenses	4,263,015	-	4,263,015	2,705,002	1,558,014	63.5%
	Total Expenses	7,114,298	-	7,114,298	4,299,127	2,815,170	60.4%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC¹
For the Period Ended January 31, 2024
(in dollars)

		FY 2023-24 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
05 - San Juan Creek Ocean Outfall							
Salary and Fringe							
05-5000-**-**	Regular Salaries-O&M	145,529		145,529	70,349	75,180	48.3%
05-5001-**-**	Overtime Salaries-O&M	72		72	915	(843)	1270.9% (12)
05-5306-**-**	Scheduled Holiday Work	468		468	95	373	20.4%
05-5315-**-**	Comp Time - O&M	-		-	102	(102)	100.0% (12)
05-5401-**-**	Fringe Benefits IN to PC's & Depts.	78,482		78,482	42,107	36,374	53.7%
	Total Payroll Costs	224,551	-	224,551	113,569	110,981	50.6%
Other Expenses							
05-5015-**-**	Management Support Services	110,000		110,000	23,434	86,566	21.3%
05-5017-**-**	Legal Fees	7,000		7,000	-	7,000	0.0%
05-5022-**-**	Miscellaneous Expense	-		-	-	-	100.0%
05-5027-**-**	Insurance - Property/Liability	21,282		21,282	21,274	8	100.0% (4)
05-5031-**-**	Safety Supplies	1,020		1,020	-	1,020	0.0%
05-5034-**-**	Travel Expense/Tech. Conferences	5,696		5,696	1,466	4,230	25.7%
05-5035-**-**	Training Expense	1,087		1,087	39	1,048	3.6%
05-5036-**-**	Laboratory Supplies	33,500		33,500	18,541	14,959	55.3%
05-5038-**-**	Permits	302,496		302,496	295,322	7,174	97.6% (4)
05-5039-**-**	Membership Dues/Fees	1,000		1,000	99	901	9.9%
05-5044-**-**	Offshore Monitoring	40,800		40,800	25,695	15,105	63.0%
05-5045-**-**	Offshore Biochemistry - 20B	7,500		7,500	-	7,500	0.0%
05-5046-**-**	Effluent Chemistry	28,000		28,000	16,579	11,421	59.2%
05-5058-**-**	Maintenance Equip. & Facilities (Common)	1,004		1,004	-	1,004	0.0%
05-6500-**-**	IT Allocations in to PC's & Depts.	17,832		17,832	10,615	7,217	59.5%
	Total Other Expenses	578,218	-	578,218	413,064	165,153	71.4%
	Total Expenses	802,768	-	802,768	526,634	276,135	65.6%
08 - Pre Treatment							
Salary and Fringe							
08-5000-**-**	Regular Salaries-O&M	132,256		132,256	65,233	67,022	49.3%
08-5401-**-**	Fringe Benefits IN to PC's & Depts.	71,324		71,324	39,140	32,184	54.9%
	Total Payroll Costs	203,579	-	203,579	104,373	99,206	51.3%
Other Expenses							
08-5011-**-**	Laboratory Services	3,064		3,064	175	2,889	5.7%
08-5015-**-**	Management Support Services	20,000		20,000	-	20,000	0.0%
08-5016-**-**	Audit - Environmental	1,304		1,304	-	1,304	0.0%
08-5017-**-**	Legal Fees	2,672		2,672	-	2,672	0.0%
08-5018-**-**	Public Notices/ Public Relations	1,500		1,500	-	1,500	0.0%
08-5021-**-**	Small Vehicle Expense - 31A	1,128		1,128	-	1,128	0.0%
08-5022-**-**	Miscellaneous Expense	2,032		2,032	62	1,970	3.0%
08-5026-**-**	Small Vehicle Fuel - 37A	1,272		1,272	-	1,272	0.0%
08-5027-**-**	Insurance - Property/Liability	7,170		7,170	7,121	49	99.3% (4)
08-5028-**-**	Small Tools & Supplies	3,668		3,668	-	3,668	0.0%
08-5034-**-**	Travel Expense/Tech. Conferences	3,500		3,500	785	2,715	22.4%
08-5035-**-**	Training Expense	2,044		2,044	1,384	660	0.0%
08-5038-**-**	Permits and Fines	508		508	-	508	0.0%
08-5039-**-**	Membership Dues/Fees	816		816	456	360	55.9%
08-6500-**-**	IT Allocations in to PC's & Depts.	16,205		16,205	9,647	6,558	59.5%
	Total Other Expenses	66,883	-	66,883	19,630	47,253	29.3%
	Total Expenses	270,462	-	270,462	124,003	146,459	45.8%
12 - Water Reclamation Permits							
Salary and Fringe							
12-5000-**-**	Regular Salaries-O&M	13,572		13,572	29,984	(16,412)	220.9% (8)
12-5401-**-**	Fringe Benefits IN to PC's & Depts.	7,319		7,319	17,991	(10,671)	245.8% (8)
	Total Payroll Costs	20,892	-	20,892	47,975	(27,083)	229.6%
Other Expenses							
12-5015-**-**	Management Support Services	35,000	52,987	87,987	7,233	80,754	8.2%
12-5017-**-**	Legal Fees	2,000		2,000	3,320	(1,320)	1.6%
12-5027-**-**	Insurance - Property/Liability	2,473		2,473	3,645	(1,172)	147.4% (4)
12-5034-**-**	Travel Expense/Tech. Conferences	5,696		5,696	-	5,696	0.0%
12-5038-**-**	Permits	25,500		25,500	26,710	(1,210)	104.7% (4)
12-5039-**-**	Membership Dues/Fees	68		68	-	68	0.0%
12-6500-**-**	IT Allocations in to PC's & Depts.	1,663		1,663	990	673	59.5%
	Total Other Expenses	72,401	52,987	125,388	41,898	83,489	33.4%
	Total Expenses	93,293	52,987	146,280	89,873	56,406	61.4%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC¹
For the Period Ended January 31, 2024
(in dollars)

		FY 2023-24 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
15 - Coastal Treatment Plant							
Salary and Fringe							
15-5000-***	Regular Salaries-O&M	971,637		971,637	516,871	454,766	53.2%
15-5001-***	Overtime Salaries-O&M	13,732		13,732	9,609	4,123	70.0% (9)
15-5306-***	Scheduled Holiday Work	10,260		10,260	5,372	4,888	52.4%
15-5315-***	Comp Time - O&M	2,000		2,000	6,012	(4,012)	300.6% (9)
15-5401-***	Fringe Benefits IN to PC's & Depts.	523,990		523,990	310,123	213,867	59.2%
15-5700-***	Standby Pay	18,462		18,462	11,575	6,887	62.7%
	Total Payroll Costs	1,540,081	-	1,540,081	859,562	680,519	55.8%
Other Expenses							
15-5002-***	Electricity	300,000		300,000	235,589	64,411	78.5% (2)
15-5003-***	Natural Gas	3,500		3,500	1,354	2,146	38.7%
15-5004-***	Potable & Reclaimed Water	24,000		24,000	11,471	12,529	47.8%
15-5006-***	Chlorine/Sodium Hypochlorite	100,000		100,000	77,439	22,561	77.4% (10)
15-5007-***	Polymer Products	-		-	-	-	0.0%
15-5008-***	Ferric Chloride	105,000		105,000	118,519	(13,519)	112.9% (11)
15-5009-***	Odor Control Chemicals	50,000		50,000	73,471	(23,471)	146.9% (11)
15-5011-***	Laboratory Services	10,000		10,000	8,622	1,378	86.2%
15-5012-***	Grit Hauling	22,000		22,000	11,267	10,733	51.2%
15-5013-***	Landscaping	63,000		63,000	36,032	26,968	57.2%
15-5015-***	Management Support Services	13,000		13,000	6,861	6,139	52.8%
15-5017-***	Legal Fees	5,000		5,000	-	5,000	0.0%
15-5019-***	Contract Services Misc.	110,000		110,000	59,323	50,677	53.9%
15-5021-***	Small Vehicle Expense - 31A	4,000		4,000	7,489	(3,489)	187.2% (4)
15-5022-***	Miscellaneous Expense	1,000		1,000	463	537	46.3%
15-5023-***	Office Supplies - All	5,000		5,000	3,568	1,432	71.4%
15-5024-***	Petroleum Products	4,000		4,000	-	4,000	0.0%
15-5025-***	Uniforms	10,000		10,000	7,554	2,446	75.5%
15-5026-***	Small Vehicle Fuel	2,000		2,000	1,941	59	97.1%
15-5027-***	Insurance - Property/Liability	79,422		79,422	80,009	(587)	100.7% (4)
15-5028-***	Small Tools & Supplies	9,000		9,000	8,923	77	99.1%
15-5030-***	Trash Disposal	3,000		3,000	1,357	1,643	45.2%
15-5031-***	Safety Supplies	33,456		33,456	9,328	24,128	27.9%
15-5032-***	Equipment Rental	1,000		1,000	-	1,000	0.0%
15-5033-***	Recruitment	300		300	-	300	0.0%
15-5034-***	Travel Expense/Tech. Conferences	18,163		18,163	2,385	15,778	13.1%
15-5035-***	Training Expense	15,420		15,420	13,504	1,916	87.6% (4)
15-5036-***	Laboratory Supplies	20,000		20,000	14,685	5,315	73.4%
15-5037-***	Office Equipment	3,000		3,000	215	2,785	7.2%
15-5038-***	Permits	5,000		5,000	2,818	2,182	56.4%
15-5039-***	Membership Dues/Fees	3,423		3,423	6,109	(2,686)	178.5% (4)
15-5047-***	Access Road Expenses	45,000		45,000	2,460	42,540	5.5%
15-5048-***	Storm Damage	20,000		20,000	-	20,000	0.0%
15-5050-***	Contract Services Generators	5,000		5,000	5,111	(111)	102.2% (4)
15-5052-***	Janitorial Services	15,000		15,000	9,362	5,638	62.4%
15-5054-***	Diesel Truck Maint - 31B	1,000		1,000	-	1,000	0.0%
15-5055-***	Diesel Truck Fuel - 37B	500		500	-	500	0.0%
15-5057-***	Maintenance Equip. & Facilities (Liquids)	110,000		110,000	73,651	36,349	67.0% (7)
15-5058-***	Maintenance Equip. & Facilities (Common)	24,000		24,000	1,796	22,204	7.5%
15-5060-***	Maintenance Equip. & Facilities (AWT)	39,000		39,000	11,335	27,665	29.1%
15-5061-***	Mileage	500		500	288	212	57.7%
15-5076-***	SCADA Infrastructure	31,200		31,200	28,129	3,071	90.2% (3)
15-5077-***	IT Direct	15,000		15,000	15,335	(335)	102.2% (3)
15-5303-***	Group Insurance Waiver	3,600		3,600	1,565	2,035	43.5%
15-5705-***	Monthly Car Allowance	4,200		4,200	2,310	1,890	55.0%
15-5797-***	Verily Stipends - WastewaterSCAN Monitoring	-		-	(9,600)	9,600	100.0%
15-6500-***	IT Allocations in to PC's & Depts.	119,057		119,057	70,873	48,184	59.5%
	Total Other Expenses	1,455,741	-	1,455,741	1,012,911	442,830	69.6%
	Total Expenses	2,995,822	-	2,995,822	1,872,473	1,123,349	62.5%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC¹
For the Period Ended January 31, 2024
(in dollars)

		FY 2023-24 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
17 - Joint Regional Wastewater Reclamation and Sludge Handling							
Salary and Fringe							
17-5000-***.***	Regular Salaries-O&M	1,884,409		1,884,409	1,085,261	799,149	57.6%
17-5001-***.***	Overtime Salaries-O&M	40,492		40,492	43,894	(3,402)	108.4% (9)
17-5306-***.***	Scheduled Holiday Work	27,356		27,356	25,709	1,647	94.0%
17-5315-***.***	Comp Time - O&M	7,024		7,024	11,846	(4,822)	168.7% (9)
17-5401-***.***	Fringe Benefits IN to PC's & Depts.	1,016,234		1,016,234	651,156	365,078	64.1%
17-5700-***.***	Standby Pay	47,692		47,692	27,025	20,667	56.7%
	Total Payroll Costs	3,023,208	-	3,023,208	1,844,890	1,178,318	61.0%
Other Expenses							
17-5002-***.***	Electricity	300,000		300,000	176,510	123,490	58.8% (2)
17-5003-***.***	Natural Gas	235,000		235,000	149,833	85,167	63.8%
17-5004-***.***	Potable & Reclaimed Water	27,000		27,000	16,176	10,824	59.9%
17-5005-***.***	Co-generation Power Credit	(1,302,000)		(1,302,000)	(712,039)	(589,961)	54.7%
17-5006-***.***	Chlorine/Sodium Hypochlorite	60,000		60,000	36,283	23,717	60.5%
17-5007-***.***	Polymer Products	650,000		650,000	457,739	192,261	70.4%
17-5008-***.***	Ferric Chloride	475,000		475,000	355,839	119,162	74.9% (13)
17-5009-***.***	Odor Control Chemicals	67,000		67,000	58,865	8,135	87.9% (13)
17-5010-***.***	Other Chemicals - Misc.	1,000		1,000	126	874	0.13
17-5011-***.***	Laboratory Services	23,460		23,460	18,305	5,155	78.0%
17-5012-***.***	Grit Hauling - 21A	40,000		40,000	22,686	17,314	56.7%
17-5013-***.***	Landscaping	80,000		80,000	44,313	35,687	55.4%
17-5015-***.***	Management Support Services	17,500		17,500	10,412	7,088	59.5%
17-5017-***.***	Legal Fees	5,000		5,000	1,686	3,314	33.7%
17-5019-***.***	Contract Services Misc.	115,000		115,000	66,260	48,740	57.6%
17-5021-***.***	Small Vehicle Expense	8,000		8,000	14,008	(6,008)	175.1% (4)
17-5022-***.***	Miscellaneous Expense	5,000		5,000	695	4,305	13.9%
17-5023-***.***	Office Supplies - All	13,000		13,000	7,957	5,043	61.2%
17-5024-***.***	Petroleum Products	12,000		12,000	17,499	(5,499)	145.8% (4)
17-5025-***.***	Uniforms	32,000		32,000	23,447	8,553	73.3%
17-5026-***.***	Small Vehicle Fuel	9,000		9,000	5,956	3,044	66.2%
17-5027-***.***	Insurance - Property/Liability	212,048		212,048	213,569	(1,521)	100.7% (4)
17-5028-***.***	Small Tools & Supplies	30,000		30,000	20,391	9,609	68.0%
17-5030-***.***	Trash Disposal	3,000		3,000	3,095	(95)	103.2%
17-5031-***.***	Safety Supplies	39,428		39,428	43,031	(3,603)	109.1% (4)
17-5032-***.***	Equipment Rental	3,000		3,000	3,496	(496)	116.5%
17-5033-***.***	Recruitment	1,000		1,000	-	1,000	0.0%
17-5034-***.***	Travel Expense/Tech. Conferences	18,163		18,163	2,484	15,679	13.7%
17-5035-***.***	Training Expense	15,420		15,420	13,330	2,090	86.4% (4)
17-5036-***.***	Laboratory Supplies	25,660		25,660	16,593	9,067	64.7%
17-5037-***.***	Office Equipment	10,000		10,000	-	10,000	0.0%
17-5038-***.***	Permits	15,300		15,300	460	14,840	3.0%
17-5039-***.***	Membership Dues/Fees	3,423		3,423	6,959	(3,536)	203.3% (4)
17-5049-***.***	Biosolids Disposal	997,500		997,500	661,564	335,936	66.3% (5)
17-5050-***.***	Contract Services Generators - 29A	8,000		8,000	2,327	5,673	0.29
17-5052-***.***	Janitorial Services	37,000		37,000	22,024	14,976	59.5%
17-5053-***.***	Contract Serv - Digester Cleaning - 29E	65,000		65,000	-	65,000	0.0%
17-5054-***.***	Diesel Truck Maint	19,000		19,000	22,867	(3,867)	120.4% (6)
17-5055-***.***	Diesel Truck Fuel	8,000		8,000	2,113	5,888	26.4%
17-5056-***.***	Maintenance Equip. & Facilities (Solids)	175,000		175,000	96,238	78,762	55.0%
17-5057-***.***	Maintenance Equip. & Facilities (Liquids)	200,000		200,000	194,819	5,181	97.4% (7)
17-5058-***.***	Maintenance Equip. & Facilities (Common)	36,000		36,000	19,361	16,639	53.8%
17-5059-***.***	Maintenance Equip. & Facilities (Co-Gen)	539,700		539,700	293,642	246,058	54.4%
17-5060-***.***	Maintenance Equip. & Facilities (AWT)	-		-	-	-	0.0%
17-5061-***.***	Mileage	1,000		1,000	238	762	23.8%
17-5068-***.***	MNWD Potable Water Supplies & Svcs.	44,880		44,880	18,499	26,381	41.2%
17-5076-***.***	SCADA Infrastructure	31,200		31,200	28,129	3,071	90.2% (3)
17-5077-***.***	IT Direct	15,000		15,000	18,210	(3,210)	121.4% (3)
17-5105-***.***	Co-Generation Power Credit - Offset	1,302,000		1,302,000	712,039	589,961	54.7%
17-5303-***.***	Group Insurance Waiver	7,200		7,200	7,920	(720)	110.0%
17-5305-***.***	Medicare Tax Payments for Employees	152		152	-	152	0.0%
17-5705-***.***	Monthly Car Allowance	8,400		8,400	4,620	3,780	55.0%
17-5797-***.***	Verily Stipends - WastewaterSCAN Monitoring	-		-	(9,600)	9,600	100.0%
17-6500-***.***	IT Allocations in to PC's & Depts.	230,899		230,899	137,452	93,447	59.5%
	Total Other Expenses	4,975,334	-	4,975,334	3,328,424	1,646,909	66.9%
	Total Expenses	7,998,542	-	7,998,542	5,173,315	2,825,227	64.7%

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC¹
For the Period Ended January 31, 2024
(in dollars)

		FY 2023-24 Budget	Board Approved Expenditures*	Adjusted Budget	Actual	(Over)/Under Budget	% Expended
21 - Effluent Transmission Main							
Other Expenses							
21-5017-**-***	Legal Fees	500	-	500	428	72	85.6%
21-5019-**-***	Contract Services Misc.	18,996	-	18,996	-	18,996	0.0%
21-5027-**-***	Insurance - Property/Liability	-	-	-	74	(74)	100.0%
	Total Other Expenses	19,496	-	19,496	502	18,994	2.6%
	Total Expenses	19,496	-	19,496	502	18,994	2.6%
23 - North Coast Interceptor							
Salary and Fringe							
23-5000-**-***	Regular Salaries-O&M	1,000	-	1,000	-	1,000	0.0%
23-5401-**-***	Fringe Benefits IN to PC's & Depts.	539	-	539	-	539	0.0%
	Total Payroll Costs	1,539	-	1,539	-	1,539	0.0%
Other Expenses							
23-5017-**-***	Legal Fees	500	-	500	-	500	0.0%
23-5015-**-***	Management Support Services	-	-	-	-	-	0.0%
	Total Other Expenses	500	-	500	-	500	0.0%
	Total Expenses	2,039	-	2,039	-	2,039	0.0%
24 - Aliso Creek Ocean Outfall							
Salary and Fringe							
24-5000-**-***	Regular Salaries-O&M	132,042		132,042	70,364	61,678	53.3%
24-5001-**-***	Overtime Salaries-O&M	504		504	5,023	(4,519)	996.8% (9)
24-5306-**-***	Scheduled Holiday Work	292		292	-	292	0.0%
24-5315-**-***	Comp Time - O&M	-		-	1,225	(1,225)	100.0% (9)
24-5401-**-***	Fringe Benefits IN to PC's & Depts.	71,209		71,209	42,219	28,990	59.3%
	Total Payroll Costs	204,047	-	204,047	118,831	85,216	58.2%
Other Expenses							
24-5015-**-***	Management Support Services	315,000		315,000	30,734	284,266	9.8%
24-5017-**-***	Legal Fees	3,000		3,000	-	3,000	0.0%
24-5027-**-***	Insurance - Property/Liability	24,872		24,872	24,188	684	97.3% (4)
24-5031-**-***	Safety Supplies	1,020		1,020	-	1,020	0.0%
24-5034-**-***	Travel Expense/Tech. Conferences	5,696		5,696	1,327	4,369	23.3%
24-5035-**-***	Training Expense	1,087		1,087	39	1,048	3.6%
24-5036-**-***	Laboratory Supplies	26,520		26,520	19,785	6,735	74.6%
24-5038-**-***	Permits	260,000		260,000	244,935	15,065	94.2% (4)
24-5039-**-***	Membership Dues/Fees	1,000		1,000	99	901	9.9%
24-5044-**-***	Offshore Monitoring	40,804		40,804	25,695	15,109	63.0%
24-5045-**-***	Offshore Biochemistry - 20B	15,000		15,000	-	15,000	0.0%
24-5046-**-***	Effluent Chemistry	22,948		22,948	13,724	9,224	59.8%
24-5058-**-***	Maintenance Equip. & Facilities (Common)	1,004		1,004	4,524	(3,520)	450.6% (14)
24-6500-**-***	IT Allocations in to PC's & Depts.	16,179		16,179	9,631	6,548	59.5%
	Total Other Expenses	734,131	-	734,131	374,681	359,449	51.0%
	Total Expenses	938,178	-	938,178	493,513	444,665	52.6%
Total O&M Expenses		20,234,898	52,987	20,287,885	12,579,440	7,708,444	62.0%

¹ This report intends to monitor the Annual Budget % Expended at the Project Committee and Functional Department levels.

The financial information contained in this report, in some cases, is based on the full accrual basis of accounting, whereby expenses are recognized in the period in which the liability is incurred, i.e., payroll and fringe benefits.

There are instances where we will include the total expense for the entire accounting fiscal year if the information is available, i.e., property and liability insurance premiums.

The audited financial statements for the fiscal year recognize all expenses on the full accrual basis of accounting.

South Orange County Wastewater Authority
O&M Budget vs. Actual Comparison by PC
For the Period Ended January 31, 2024

- (1) Overtime for two (2) nighttime shutdowns to repair critical equipment during low flow hours.
- (2) Increases in power costs approved by the CPUC are above assumed increased rates.
- (3) Higher levels of influent solids that budgeted at JBL affecting treatment and costs.
- (4) Annual charges incurred at the beginning of the Fiscal Year and at the end of the calendar year.
- (5) Biosolids costs are increased due to landfill closures on hotter days in May 2023 at the landfill to help mitigate odor complaints at the landfill. Also, usually heavy rains have limited use of the landfill this winter.
- (6) Both large Diesel vehicles had unplanned and significant emissions control system repairs.
- (7) Several larger O&M projects were completed prior to the rainy season.
- (8) Salt and Nutrient Management Plan (SNMP) work effort is nearly complete for the year.
- (9) Staff overtime was elevated due to several nighttime shutdowns for the ACOO internal repair project.
- (10) Bleach usage elevated during the initial months of the Fiscal for summer AWT production at CTP.
- (11) O&M staff is evaluating elevated odor control needs at CTP following the completion of the recent Facilities Improvement Project that modified the Ferric Chloride system and dosing location.
- (12) O&M staff are supporting the testing of SCWD Doheny Desal slant wells. SCWD will be billed directly for the overtime support requested to divert test waters into SOCWA temporary ocean outfall system.
- (13) Reduced flows to the RTP are prolonging sewage travel time, leading to greater sulfide degradation in the sewers. This is resulting in higher odor levels and increased odor control costs.
- (14) The Sampling Building door was replaced due to severe corrosion from the ocean air.

South Orange County Wastewater Authority
Budget vs. Actual Comparison - Engineering

For the Period Ended January 31, 2024
(in dollars)

		FY 2023-24 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	194,546	43,889	150,657	22.6%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	104,916	26,333	78,583	25.1%
	Total Payroll Costs	299,462	70,222	229,240	23.4%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	2,000	495	1,505	24.7%
01-5034-03-00-00	Travel Expense/Tech. Conferences	8,500	-	8,500	0.0%
01-5035-03-00-00	Training Expense	1,300	-	1,300	0.0%
01-5037-03-00-00	Office Equipment	150	-	150	0.0%
01-5039-03-00-00	Membership Dues/Fees	1,775	356	1,419	20.0%
01-5061-03-00-00	Mileage	250	-	250	0.0%
01-5077-03-00-00	IT Direct	250	-	250	0.0%
01-5309-03-00-00	Operating Leases	30,000	12,904	17,096	43.0%
01-5705-03-00-00	Monthly Car Allowance	4,200	808	3,392	19.2%
01-5802-03-00-00	Shipping/Freight	100	-	100	0.0%
01-6500-03-00-00	IT Allocations in to PC's & Depts.	54,993	34,211	20,782	62.2%
	Total Other Expenses	103,518	48,773	54,745	47.1%
Total Engineering Expenses		402,980	118,995	283,985	29.5%

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South Orange County Wastewater Authority
Budget vs. Actual Comparison-IT
For the Period Ended January 31, 2024
(in dollars)

		FY 2023-24 Budget	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	116,046	69,826	46,220	60.2%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	62,582	41,896	20,686	66.9%
	Total Salary & Fringe	178,629	111,722	66,906	62.5%
Other Expenses					
01-6028-05-00-00	Small Tools & Supplies	1,000	-	1,000	0.0%
01-6035-05-00-00	Training Expense	3,000	-	3,000	0.0%
01-6224-05-00-00	Office Equipment Admin or IT	600	-	600	0.0%
01-6234-05-00-00	Memberships & Trainings	2,750	1,810	940	65.8%
01-6239-05-00-00	Travel & Conference	1,500	-	1,500	0.0%
01-6300-05-00-00	Software Maintenance Agreements	84,700	21,225	63,475	25.1%
01-6301-05-00-00	Hardware Maintenance Agreements	22,400	7,215	15,185	32.2%
01-6302-05-00-00	Cloud Subscriptions (Internet)	196,935	132,889	64,046	67.5% (1)
01-6303-05-00-00	Telecommunications	161,382	95,877	65,505	59.4%
01-6305-05-00-00	IT Professional Services	19,960	42,878	(22,918)	214.8% (1)
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	25,400	10,391	15,009	40.9%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	30,500	21,567	8,933	70.7%
01-6308-05-00-00	IT Memberships	160	-	160	0.0%
01-6309-05-00-00	Operating Leases	64,200	30,321	33,879	47.2%
01-6310-05-00-00	Miscellaneous	5,000	-	5,000	0.0%
01-6312-05-00-00	Computer & Photocopy Supplies	3,200	1,118	2,082	0.0%
	Total Other Expenses	622,687	365,292	257,395	58.7%
Total Expenses before Allocation		801,315	477,014	324,301	59.5%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(801,315)	(477,014)	(324,301)	59.5%
	Total IT Allocations (Out) to PC's & Depts	(801,315)	(477,014)	(324,301)	59.5%

(1) Annual charges incurred at the beginning of the Fiscal Year.

Agenda Item

5.F.

Board of Directors Meeting

Meeting Date: April 4, 2024

TO: Board of Directors
FROM: Jim Burror, Acting General Manager/Director of Operations
SUBJECT: February 2024 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

An eight (8) page overview and comparison of owner use of facilities, including influent and recycled water production. The pages include ongoing calculations used by SOCWA for billing 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. Beach Ocean Monitoring Report

4. Recycled Water Report

5. Pretreatment Report (February / March)

Fiscal Impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report February, 2024

Excursion, Complaint, and Violation Events

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

Plant Wastewater Billing Characteristics

Key Parameters	CTP	RTP	JBL TP1	JBL TP2	Totals
Influent (mgd) (1)	3.17	9.12	8.20	1.39	21.88
Effluent (mgd)	3.29	7.38	8.20	3.37	22.24
Peak Flow (mgd)	10.69	26.24	19.75	10.00	66.68
Influent BOD (mg/l)	221	241	261	293	
Influent TSS (mg/l)	276	279	337	386	
Effluent BOD (mg/l)	4.4	5.5	11.0	9.4	
Effluent TSS (mg/l)	5.1	9.2	16.4	11.9	
Effluent Turbidity (NTU)	2.4	3.5	7.0	4.4	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	RTP	JBL	Totals
Average Flow (mgd)	0.02	1.74		1.75
Days of Operation (days)	1	23		
Total Flow (million gallons)	0.5	50.4		50.9
Plant Irrigation (million gallons)	0.10	0.25	0.19	
AWT Time Online (%)	100%			

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 February, 2024 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	RTP	JBL	Totals
Synagro Compost (tons)		728.7	0.0	728.7
Nursery Products (tons)		428.3	696.1	1,124.4
Prima Deshecha (tons)		0.0	0.0	0.0
Other: (tons)		0.0	0.0	0.0
Total Processed (tons)		1,157.0	696.1	1,853.1

Summary of Maintenance Activities

Task Type	CTP	RTP	JBL	Totals
Preventative Maintenance	171	245	273	689
Corrective Maintenance	12	66	39	117

Site Visitors

Visitor Types	CTP	RTP	JBL	Totals
Regulatory	0	0	0	0
Member Agency	1	2	1	4
Residents	0	0	0	0
Others	5	8	14	27
Tours #/Visitors	0	0	2	2

Grit Disposal Management

Grit & Screenings	CTP	RTP	JBL	Totals
Simi Valley Landfill (tons)	9.8	35.8	NA	45.6

Chemical and Energy Utilization

Chemical/Utility	CTP	RTP	JBL	Totals
Ferric Chloride (tons)	NA	35.3	NA	35.3
Utility Power Purchase (kWh)	190,668	241,664	38,585	470,917
Cogen Power (kWh)		300,933	418,881	719,814
Natural Gas (Dth)	26	NA	NA	26
Digester Gas to Engine (scfm)		4,261,233	5,514,100	9,775,333
Digester Gas to Boiler (scfm)		0		0
Digester Gas to Flares (scfm)		3,040,197	213,980	3,254,177
Digester Gas Power Savings		\$46,363		

NA = Not Available at the time this report was generated.

Wastewater Unit Definitions

kWh = kilowatt hours

Dth = Dekatherms

scfm = standard cubic feet per minute

SOCWA Operational Report February, 2024 (cont'd)

Agency Wastewater Flows to SOCWA by Facility (Including Internal Waste Streams Used for Billing)

Agency	CTP (mgd)	CTP (%)	RTP (mgd)	JBL (mgd)	JBL (%)	Total (mgd)
CLB	1.894	59.65%				1.89
EBSD	0.094	2.97%				0.09
SCWD	1.187	37.38%				3.50
MNWD	0.000	0.00%	9.12	1.400	14.60%	10.52
CSJC				2.539	26.47%	2.54
SMWD				3.344	34.86%	3.34
Total	3.175	100.00%	9.12	9.592	100.00%	21.89

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	SJCOO Meter (mgd)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB				1.89	9.90%	1.89	
EBSD				0.09	0.49%	0.09	
SCWD	2.48	14.98%		1.28	6.70%	3.76	Includes Desalters
MNWD	3.18	19.25%		7.38	38.59%	10.56	
ETWD				4.34	22.67%	4.34	Direct Outfall Only
CSJC	2.99	18.11%				2.99	Includes Desalter
SMWD	3.83	23.16%				3.83	Includes Chiquita
CSC	4.05	24.50%				4.05	Direct Outfall Only
IRWD				4.14	21.64%	4.14	Direct Outfall Only
Total	16.52	100.00%	16.73	19.12	100.00%	35.65	

SOCWA Operational Report February, 2024 (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 (%)
CSJC	4.00	30.77%	2.108	27.50%	2.539	26.47%	2.27	29.34%
MNWD	3.00	23.08%	1.400	18.26%	1.400	14.60%	1.40	18.09%
SCWD	3.75	28.85%	1.598	20.85%	2.309	24.07%	1.83	23.65%
SMWD	2.25	17.31%	2.559	33.39%	3.344	34.86%	2.24	28.92%
Total	13.00	100.00%	7.665	100.00%	9.592	100.00%	7.74	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. (%)
CSJC	11,572	30.00%	6,202	20.48%	6,864	27.22%	6,574	26.54%
MNWD	8,340	21.62%	5,183	17.12%	4,319	17.13%	5,335	21.54%
SCWD	7,715	20.00%	5,693	18.80%	3,716	14.74%	4,739	19.13%
SMWD	10,946	28.38%	13,200	43.60%	10,315	40.91%	8,124	32.79%
Total	38,573	100.00%	30,278	100.00%	25,214	100.00%	24,771	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%	4.049	24.50%	2.878	23.66%
CSJC	11.08%	8.860	11.08%	2.992	18.11%	2.701	22.21%
MNWD(3)	15.51%	12.410	15.51%	3.181	19.25%	2.315	19.03%
SCWD	12.46%	9.970	12.46%	2.475	14.98%	1.961	16.13%
SMWD	44.32%	35.460	44.33%	3.827	23.16%	2.307	18.97%
Total	100.00%	80.000	100.00%	16.525	100.00%	12.163	100.00%

(1) Influent billing meter summary:

- CSJC is metered daily in the collection system. The area-velocity meter has an accuracy of +/- 20%.
- MNWD is assumed to be 1.4 mgd unless Treatment Plant 3A is discharging to the sewer. If other discharges occur, they are estimated.
- SCWD flows are the summation of the DPSD and Victoria PS meters. The two metering systems have an accuracy of +/- 10%.
- 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) All monthly flow data for 3A is reported as part of MNWD's flow to the ocean outfall.

SOCWA Operational Report February, 2024 (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	2.54	37.91%	1.430	53.56%	1.894	59.65%	1.581	56.11%
EBS	0.20	2.99%	0.060	2.25%	0.094	2.97%	0.073	2.59%
SCWD	2.00	29.85%	1.180	44.19%	1.187	37.38%	1.164	41.31%
MNWD	1.96	29.25%	0.000	0.00%	0.000	0.00%	0.000	0.00%
Total	6.70	100.00%	2.670	100.00%	3.175	100.00%	2.817	100.00%

Project Committee No. 17 Liquids (RTP)

Agency	Budget Liquids (mgd)	Budget Liquids (%)	Month Plant Influent (mgd)	Month Centrate (mgd)	Month Total (mgd)(1)	Month Total (%)	FY Avg to Date (mgd)	FY Avg to Date (%)
CLB	0.01480	0.2040%	0.0000	0.0236	0.0236	0.2555%	0.0154	0.2007%
EBS	0.00060	0.0083%	0.0000	0.0012	0.0012	0.0127%	0.0007	0.0093%
SCWD	0.01210	0.1668%	0.0000	0.0148	0.0148	0.1601%	0.0112	0.1458%
ETWD	0.01810	0.2495%	0.0000	0.0126	0.0126	0.1365%	0.0146	0.1899%
MNWD	7.20960	99.3715%	9.1176	0.0616	9.1792	99.4352%	7.6510	99.4542%
Total	7.25520	100.0000%	9.1176	0.1138	9.2314	100.0000%	7.6930	100.0000%

(1) Month total does not double count MNWD centrate. It is included in the Monthly Plant Influent too.

SOCWA Operational Report February, 2024 (cont'd)

FY Flow/Solids Summary (cont'd)

Project Committee No. 17 Solids (RTP)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Total Month (lbs)	Total Month (%)	FY Avg Total to Date (lbs)	FY Avg Total to Date (%)
CLB	5,605	11.22%	4,509	13.13%	279,937	20.73%	167,802	14.33%
EBSD	295	0.59%	194	0.56%	13,959	1.03%	7,790	0.67%
SCWD	4,480	8.96%	3,691	10.75%	175,419	12.99%	121,359	10.36%
ETWD	10,200	20.41%	5,207	15.16%	149,575	11.08%	156,093	13.33%
MNWD	29,395	58.82%	20,747	60.40%	731,545	54.17%	718,186	61.32%
Total	49,975	100.00%	34,348	100.00%	1,350,435	100.00%	1,171,230	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%	1.894	9.90%	1.581	13.72%
EBSD	0.78%	0.390	0.78%	0.094	0.49%	0.073	0.63%
ETWD	16.30%	8.151	16.30%	4.336	22.67%	2.425	21.05%
IRWD	15.76%	7.880	15.76%	4.139	21.64%	2.845	24.70%
MNWD	43.85%	21.924	43.85%	7.380	38.59%	3.842	33.35%
SCWD	12.31%	6.155	12.31%	1.281	6.70%	0.754	6.54%
Total	100.00%	50.000	100.00%	19.125	100.00%	11.520	100.00%

SOCWA Operational Report February 2024 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Troubleshoot failed Plant 1 Screenings Compactor.

Troubleshoot failed TWAS Air Ram.

Replaced failed East Grit Pump #1.

Vactored out the Plant 1 Grit Tank #1, which was overloaded during the February storms.

Cleaned out the East Secondary Sedimentation Basin Tanks that filled with debris during the February storms and broke several flight systems.

Repaired RAS system bleach line break.

Unclogged and repaired the Primary Sludge system pumps that ragged up during the February storms.

Repaired failing MOV on Digester #4.

Responded to Plant 1 Scrubber Double Walled Bleach Tank structural failure.

Replaced the failed brake motor on the Plant 2 Barscreen, which was damaged during the February storms.

Replaced the failed motor for the Primary Tank 5/6 Flight Drive.

CTP - PC15

Troubleshoot the failing East Primary Sludge Valves.

Troubleshoot and adjusted the entrance gates that were damaged during the February storms.

Vactored out the Plant drains, which were overloaded during the February storms.

Troubleshoot the sludge export pumping system that failed during the February storms.

Troubleshoot the foul air scrubber, which was failing after the February storms.

RTP - PC17

Troubleshoot failing the Primary Gallery Fresh Air Fan.

Troubleshoot failed Aeration Blower #1, which was overloaded during the February storms.

Overhauled the failing Centrifuge Conveyor #2 system.

Replaced gas cleaning media in all four scrubbing vessels of the Cogen system.

Cleaned out and repaired DAF#1, which was overloaded during the February storms.

Replaced failed Cogen system recirculation pump.

Unclogged and repaired the Sludge system pumps that ragged up during the February storms.

Repaired grit piping that failed due to water hammering during the February storms.

Repaired the failed seal on the Scrubber No. 1 Bleach Pump.

Support Services - ALL PC'S

Troubleshoot the Plant 1 Sludge Pump VFDs, which were overloaded during the February storms at JBL.

SOCWA Operational Report February 2024 (cont'd)

Select Critical Equipment Repairs (cont'd)

Support Services - ALL PC'S (cont'd)

Troubleshoot the Plant 2 Sludge Pump VFDs, which were overloaded during the February storms at JBL.

Troubleshoot failed SCADA communications that occurred during the February storms at JBL.

Replaced failed bleach tank level sensor at JBL.

Installed permanent power to Bldg. 50 that had a failed temporary system used for the Package B project at JBL.

Repaired failed Centrifuge #2 Polymer Mix Pump control panel at JBL.

Replaced failed E-Stop for Barscreen #1 at JBL.

Troubleshoot failing Solids Scrubber ORP sensor at JBL.

Troubleshoot the Plant #1 Screening Conveyor #2, which was overloaded during the February storms at JBL.

Replaced failed DO Probes for the A Pass on Aeration West #1 at CTP.

Replaced failed pH probe of the foul air scrubber at CTP.

Troubleshoot failing signal from EBSD meter to CTP.

Troubleshoot failing the Digester#2 Gas Circulation/Mixing System at RTP.

Replaced the failing first row of blocks in the SCR of the Cogen system.

Investigated failed power supply to the SET pump systems at RTP.

Troubleshoot several communication failures during the February storms at RTP.

Replaced the failing Digester #2 and #3 gas flow meters.

Replaced failing RAS TSS probes after the February storms overloaded the system at RTP.

Troubleshoot failed NPW Bleach Tank level sensor at RTP.

Troubleshoot failing the Scrubber #3 pH and ORP sensors at RTP.

Troubleshoot failing sonic level in the primary basins at RTP.

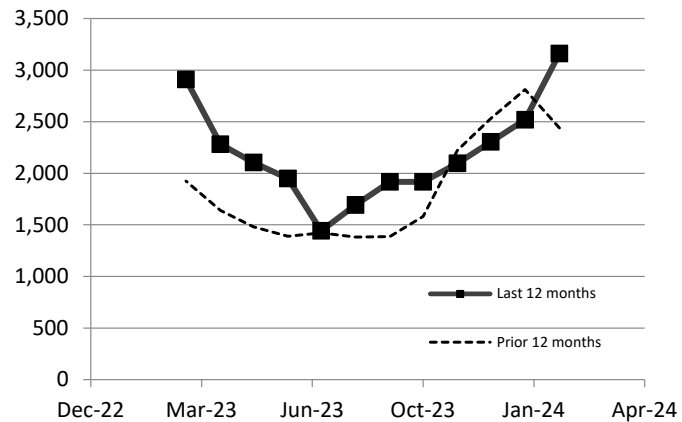
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report February, 2024 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.89	9.90%	1.89
EBS			0.09	0.49%	0.09
SCWD	2.48	14.98%	1.28	6.70%	3.76
MNWD	3.18	19.25%	7.38	38.59%	10.56
ETWD			4.34	22.67%	4.34
CSJC					2.99
SMWD					3.83
CSC					4.05
IRWD			4.14	21.64%	4.14
Total	16.52	100.00%	19.12	100.00%	35.65
or Acre-Feet per year equivalent					39,927

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

Feb-24	3,161
Jan-24	2,519
Dec-23	2,305
Nov-23	2,097
Oct-23	1,916
Sep-23	1,917
Aug-23	1,693
Jul-23	1,442
Jun-23	1,949
May-23	2,105
Apr-23	2,282
Mar-23	2,909
Total	26,295



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

February 2024

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO	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	FLOW MGD	FLOW MGD	FLOW MGD	FLOW MGD	Fall inches
02/01/24	3.914	22.0	10.0	0.6	4.251	19.3	4.8	0.1	5.260	6.6	6.0	0.4	2.353	1.8	2.0	<0.1	0.392	0.000	0.148	16.318	1.48
02/02/24	3.676	30.0	10.0	<0.1	3.777	12.5	7.7	0.1	7.68	9.8	6.0	0.4	3.637	3.6	5.0	<0.1	0.386	0.000	0.134	19.290	0.24
02/03/24	3.154	12.0		<0.1	3.473	18.0	7.0	<0.1	6.940	8.4	7.0	0.3	3.109	3.8	4.0		0.391	0.000	0.135	17.202	0.01
02/04/24	3.711	14.0	9.8	<0.1	3.937	10.6		<0.1	5.960	8.6		<0.1	2.823	2.6		<0.1	0.392	0.000	0.000	16.823	0.39
02/05/24	4.040	33.0	11.0	<0.1	4.673	13.4		<0.1	8.940	12.8	6.0	0.1	3.243	7.6	6.0	0.1	0.391	0.000	0.000	21.287	3.37
02/06/24	6.170	22.0	11.0	<0.1	6.526	20.5	8.0	<0.1	13.790	12.6	7.0	0.5	5.766	10.6	6.0	0.1	0.392	0.000	0.000	32.644	1.42
02/07/24	4.807	16.0	11.0	<0.1	5.268	19.2	6.9	<0.1	11.800	12.4	7.0	0.4	4.978	5.2	6.0	<0.1	0.391	0.000	0.000	27.244	0.24
02/08/24	3.479	15.0	11.0	<0.1	5.035	12.7	6.0	0.1	8.800	11.2	8.0	0.4	3.878	5.8	4.0	0.1	0.389	0.000	0.000	21.581	0.56
02/09/24	4.133	14.0	13.0	0.1	5.052	19.8	5.7	0.1	7.570	7.2	6.0	0.4	3.522	5.4	3.0	<0.1	0.372	0.000	0.000	20.649	0.28
02/10/24	4.410	15.0		<0.1	4.771	11.2	4.0	<0.1	7.990	9.2	5.0		3.520	5.6	4.0		0.377	0.000	0.000	21.068	0.00
02/11/24	3.530	16.0	12.0	<0.1	5.881	16.8		<0.1	6.490	11.6		0.2	3.212	8.0			0.364	0.000	0.000	19.477	0.00
02/12/24	3.241	16.0	12.0	<0.1	4.730	6.2		<0.1	5.910	10.4	5.0	0.4	3.063	6.0	9.0	<0.1	0.353	0.000	0.000	17.297	0.00
02/13/24	3.427	16.0	15.0	<0.1	4.730	7.8	6.0	<0.1	5.550	11.2	5.0	0.4	3.004	2.0	3.0	<0.1	0.377	0.000	0.000	17.088	0.00
02/14/24	3.494	31.0	13.0	<0.1	4.968	18.2	4.4	<0.1	4.830	12.8	6.0	0.2	2.937	2.0	3.0	<0.1	0.344	0.000	0.000	16.573	0.00
02/15/24	3.846	19.0	13.0	0.1	3.642	14.6	5.0	<0.1	6.490	6.2	7.0	0.2	3.058	1.2	4.0	<0.1	0.344	0.000	0.000	17.380	0.00
02/16/24	3.530	21.0	11.0	<0.1	3.773	18.0	5.6	<0.1	5.950	7.4	6.0	0.2	2.879	7.2	4.0	<0.1	0.387	0.000	0.000	16.519	0.00
02/17/24	3.357	13.0		<0.1	3.837	11.0	4.0	0.2	5.510	9.2	4.0		2.734	10.2	3.0		0.391	0.000	0.000	15.829	0.00
02/18/24	3.367	13.0	8.6	<0.1	3.334	15.2	6.6	<0.1	5.540	9.2	4.0	0.2	3.048	6.0	7.0	<0.1	0.392	0.000	0.000	15.681	0.01
02/19/24	3.374	16.0	9.9	<0.1	4.124	10.4	6.0	<0.1	5.790	9.2	5.0	0.9	2.946	3.6	3.0	<0.1	0.391	0.000	0.000	16.625	0.13
02/20/24	3.385	30.0	11.0	<0.1	5.170	16.2	7.0	<0.1	6.020	7.6	5.0	0.2	2.950	2.0	5.0	0.1	0.390	0.000	0.000	17.915	1.15
02/21/24	4.027	10.0	11.0	<0.1	4.607	17.2	7.2	0.1	8.300	10.2	8.0	0.2	3.886	4.4	3.0	0.1	0.389	0.000	0.000	21.209	0.32
02/22/24	3.883	12.0	11.0	<0.1	3.781	15.6		0.1	7.290	5.2	4.0	<0.1	3.611	1.2	2.0	<0.1	0.389	0.000	0.000	18.954	0.00
02/23/24	3.914	10.0	11.0	<0.1	4.076	18.0	7.4	0.1	8.660	5.4	3.0	0.2	3.087	7.2	5.0	<0.1	0.390	0.000	0.000	20.127	0.00
02/24/24	3.222	12.0		<0.1	3.861	16.6		0.1	8.040	8.2			3.045	2.6			0.389	0.000	0.000	18.557	0.00
02/25/24	3.351	11.0	10.0	<0.1	3.888	18.4	8.6	<0.1	8.000	9.6	3.0	<0.1	3.032	7.6	8.0	<0.1	0.389	0.000	0.000	18.660	0.00
02/26/24	3.499	12.0	8.3	0.1	3.980	14.2		0.1	8.080	8.8	5.0	0.2	2.979	6.6	5.0	<0.1	0.389	0.000	0.000	18.927	0.00
02/27/24	3.722	14.0	8.9	0.1	3.893	10.0	6.3	<0.1	7.650	8.0	4.0	0.2	2.879	2.4	2.0	0.1	0.389	0.000	0.081	18.614	0.00
02/28/24	3.686	9.2	7.8	0.1	3.771	14.8	8.4	<0.1	7.640	8.8	3.0	0.1	2.806	8.0	4.0	<0.1	0.389	0.000	0.000	18.292	0.00
02/29/24	3.579	17.0		0.1	2.937	16.2	6.0	<0.1	7.560	8.2	7.0	0.2	2.821	6.8	4.0	<0.1	0.389	0.000	0.000	17.286	0.00
AVG	3.756	16.9	10.8	<0.1	4.336	14.9	6.3	<0.1	7.380	9.2	5.5	<0.3	3.269	5.1	4.4	<0.1	0.383	0.000	0.017	19.142	
TOTAL	108.93				125.75				214.03				94.81				11.11	0.00	0.498	555.12	9.60

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: February 2024

REPORT FREQUENCY: Monthly

REPORT DUE: April 1 2024

EXACT SAMPLE POINTS: As specified in Unified Monitoring Plan

SAMPLE SOURCE: Surf zone

SAMPLES COLLECTED BY: SOCWA Lab

TYPE OF SAMPLE: Grab

SAMPLES ANALYZED BY: SOCWA Lab

Tidal Condition: High Tide 07:26

Weather: Overcast

COMMENTS: Qualifier: S4 inaccessible, sample collected between S4 & S5

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage				Water	H2O	Water	Water		
			Coliform	Coliform	coccus	Origin		Oil &	Odor						
			CFU/100ml	CFU/100ml	CFU/100ml	Onshore	Offshore	Grease							
			SM9222B	SM9222D	EPA 1600					Color	Temp(F)	Condition	Outlet	Birds	
S3	02/08/24	08:55	700	100	100	None	None	None	None	Brown	56	Slightly Turbid			
S4	02/08/24	11:14	500	<100	220	None	None	None	None	Brown		Slightly Turbid			
S5	02/08/24	11:19	500	<100	60	None	None	None	None	Brown		Slightly Turbid			
S6	02/08/24	10:20	600	100	200	None	None	None	None	Brown		Turbid			
WEST	02/08/24	10:14	1200	300	280	None	None	None	None	Brown		Turbid			Flowing
S7	02/08/24	10:05	1500	600	360	None	None	None	None	Brown		Turbid			
S8	02/08/24	09:54	1400	500	680	None	None	None	None	Brown		Turbid			
S9	02/08/24	09:51	4200	500	780	None	None	None	None	Brown		Turbid			
ACM1	02/08/24	09:44	13000	3400	1400	None	None	None	None	Brown		Turbid			Flowing
S10	02/08/24	09:26	200	<100	20	None	None	None	None	Brown		Slightly Turbid			
S11	02/08/24	09:21	300	<100	<20	None	None	None	None	Brown		Slightly Turbid			
S12	02/08/24	09:10	100	100	<20	None	None	None	None	Brown		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.

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: February 2024

REPORT FREQUENCY: Monthly

REPORT DUE: April 1, 2024

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 11:19

Weather: Clear

COMMENTS:

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Entero- coccus	Material of Sewage		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							
S3	02/13/24	08:40	40	20	<2	None	None	None	None	Green	58	Slightly Turbid	Flowing	
S4	02/13/24	10:57	<10	10	<2	None	None	None	None	Green		Slightly Turbid		
S5	02/13/24	10:39	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S6	02/13/24	10:17	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
WEST	02/13/24	10:14	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S7	02/13/24	10:07	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S8	02/13/24	09:55	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S9	02/13/24	09:51	<10	<10	<2	None	None	None	None	Green		Slightly Turbid		
ACM1	02/13/24	09:41	500	30	20	None	None	None	None	Green		Slightly Turbid		
S10	02/13/24	09:15	20	<10	<2	None	None	None	None	Green		Slightly Turbid		
S11	02/13/24	09:10	10	<10	<2	None	None	None	None	Green		Slightly Turbid		
S12	02/13/24	09:03	140	130	<2	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 100m

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: February 2024
 REPORT DUE: April 1, 2024
 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 06:13

Weather: Rain

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform	Coliform	coccus	Origin								
			CFU/100ml	CFU/100ml	CFU/100ml	Onshore	Offshore							
S3	02/20/24	08:20	6200	6000	No data	None	None	None	None	Green	57	Clear	Flowing	
S4	02/20/24	11:40	2100	30	100	None	None	None	None	Green		Clear		
S5	02/20/24	11:18	5900	6400	No Data	None	None	None	None	Green		Clear		
S6	02/20/24	10:58	2100	490	880	None	None	None	None	Green		Clear		
WEST	02/20/24	10:49	2600	370	1120	None	None	None	None	Green		Clear		
S7	02/20/24	10:40	2400	320	490	None	None	None	None	Green		Clear	Flowing	
S8	02/20/24	10:12	3900	520	1360	None	None	None	None	Green		Clear		
S9	02/20/24	10:00	No Data	1600	No Data	None	None	None	None	Brown		Clear		
ACM1	02/20/24	10:17	No Data	2600	No Data	None	None	None	None	Brown		Slightly Turbid		
S10	02/20/24	09:27	270	10	4	None	None	None	None	Green		Slightly Turbid		
S11	02/20/24	09:20	250	<10	10	None	None	None	None	Green		Slightly Turbid	Flowing	
S12	02/20/24	09:12	360	20	22	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.

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: February 2024
 REPORT DUE: April 1, 2024
 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 10:42

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	Coliform	coccus	Onshore	Offshore							
			CFU/100ml	CFU/100ml	CFU/100ml									
SM9222B	SM9222D	EPA 1600												
S3	02/28/24	08:11	<10	<10	2	None	None	None	None	Green	58	Clear	Flowing	
S4	02/28/24	10:27	<10	<10	<2	None	None	None	None	Green		Clear		
S5	02/28/24	10:10	<10	<10	<2	None	None	None	None	Green		Clear		
S6	02/28/24	09:45	<10	<10	<2	None	None	None	None	Green		Clear		
WEST	02/28/24	09:42	<10	<10	<2	None	None	None	None	Green		Clear		
S7	02/28/24	09:37	30	<10	2	None	None	None	None	Green		Clear		
S8	02/28/24	09:13	<10	<10	50	None	None	None	None	Green		Clear		
S9	02/28/24	09:17	<10	<10	2	None	None	None	None	Green		Clear		
ACM1	02/28/24	08:57	210	60	14	None	None	None	None	Green		Clear		
S10	02/28/24	08:41	10	<10	2	None	None	None	None	Green		Clear		
S11	02/28/24	08:37	10	10	2	None	None	None	None	Green		Clear		
S12	02/28/24	08:33	<10	<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 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: February 2024

Report Frequency: Monthly

Report Due: April 1, 2024

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

Samples Analyzed By: SOCWA Lab

Comments: Low Tide 08:01

Sta 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	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	02/15/24	<2	4	<2	08:20	0	0	
A-1	Mid depth	02/15/24	10	<10	<10				
A-2	Surface	02/15/24	<2	<2	<2	08:10	0	0	
A-2	Mid depth	02/15/24	<10	<10	<10				
A-3	Surface	02/15/24	<2	<2	<2	08:35	0	0	
A-3	Mid depth	02/15/24	<10	<10	<10				
A-4	Surface	02/15/24	<2	<2	<2	08:43	0	0	
A-4	Mid depth	02/15/24	30	<10	<10				
A-5	Surface	02/15/24	<2	<2	<2	08:28	0	0	
A-5	Mid depth	02/15/24	<10	<10	<10				
B-1	Surface	02/15/24	<2	2	<2	07:52	0	0	
B-1	Mid depth	02/15/24	<10	10	<10				
B-2	Surface	02/15/24	<2	<2	<2	08:55	0	0	
B-2	Mid depth	02/15/24	10	<10	<10				
N1	Surface	02/15/24	<2	<2	<2	09:39	0	0	
N2	Surface	02/15/24	<2	<2	<2	09:35	0	0	
N3	Surface	02/15/24	2	<2	<2	09:32	0	0	
N4	Surface	02/15/24	<2	<2	<2	09:29	0	0	
N5	Surface	02/15/24	6	<2	<2	09:26	0	0	
N6	Surface	02/15/24	20	<2	<2	09:21	0	0	
N7	Surface	02/15/24	<2	<2	<2	09:16	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 200 CFU/100 mL

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

(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 2024**

ACOO Permit Order No. R9-2022-0006							
Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
No violations during this monitoring period.							



SOCWA and MEMBER AGENCY FACILITIES
ACOO Spill / Overflow Report Log - 2024
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

February 2024

DATE	J.B. LATHAM FACILITY				SAN CLEMENTE WRP				SMWD CHIQUITA WRP				3-A PLANT				CSJC Desalter	SCWD Desalter	SJCOO	Rain Fall
	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	FLOW MGD	FLOW MGD	FLOW MGD	inches
02/01/24	8.470	16.7	11.3	<0.1	2.866	10.2	10.0	0.4	0.000				1.374	8.0	6.2	<0.1	0.460	0.172	13.080	1.48
02/02/24	12.140	37.9	20.1	<0.1	4.390	10.3	7.0	<0.1	0.000				1.235	7.2	5.2	<0.1	0.470	0.173	18.630	0.24
02/03/24	10.000	11.3	9.0	0.2	3.833		8.0		0.000				1.283				0.480	0.174	15.820	0.01
02/04/24	9.210	11.1		<0.1	3.433				0.000				1.855				0.470	0.107	14.580	0.39
02/05/24	11.940	21.7	15.7	0.7	4.150	9.9	7.0	0.3	3.907	2.5	5.4	0.2	2.677	9.4	7.0	<0.1	0.470	0.172	17.690	3.37
02/06/24	18.930	70.2	34.1	0.1	7.329	7.7	5.0	<0.1	3.515	9.6	7.4	1.0	2.400	6.8	4.0	<0.1	0.480	0.168	34.610	1.42
02/07/24	16.020	12.4	10.0	<0.1	6.360	8.7	6.0	<0.1	1.109	11.7	3.9	0.1	1.731	9.6	6.4	<0.1	0.210	0.155	27.420	0.24
02/08/24	12.450	7.1		0.1	5.059	7.3	6.0	<0.1	1.060	4.0	2.9	0.2	1.394	8.3	5.2	<0.1	0.160	0.175	21.570	0.56
02/09/24	11.350	9.3	6.3	0.1	4.520	6.9	6.0	<0.1	0.475	3.2	3.0	<0.1	1.731	5.4	4.2	<0.1	0.480	0.172	19.220	0.28
02/10/24	10.480	7.7	7.7		4.220		6.0		0.139	4.0	5.0	<0.1	2.409	38.0	7.0	<0.1	0.480	0.173	17.780	0.00
02/11/24	9.560	10.8		<0.1	3.659				0.143	2.5	5.8	<0.1	2.314				0.480	0.173	16.550	0.00
02/12/24	9.240	13.6	12.9	<0.1	3.820	6.7	7.0	<0.1	0.003	9.3	5.8	<0.1	1.752	10.4	7.2	<0.1	0.480	0.171	15.690	0.00
02/13/24	8.860	11.8	10.3	0.1	3.566	10.9	6.0	<0.1	0.000				1.736	8.8	5.5	<0.1	0.480	0.174	15.140	0.00
02/14/24	8.550	8.4	8.0	<0.1	3.290	8.2	6.0	<0.1	0.454	8.3	3.9	<0.1	2.126	8.4	5.8	<0.1	0.490	0.173	16.420	0.00
02/15/24	8.300	12.1	11.3	0.1	4.864	9.1	6.0	<0.1	0.000				1.592	7.6	5.0	<0.1	0.490	0.171	16.280	0.00
02/16/24	8.480	12.8	8.9	<0.1	3.316	8.2	6.0	<0.1	0.000				1.601	7.6	4.8	<0.1	0.490	0.170	14.180	0.00
02/17/24	8.060	16.2	6.3		3.022		7.0		0.000				1.539				0.490	0.173	13.820	0.00
02/18/24	8.550	9.5	13.4	0.1	3.135				0.000				1.573				0.490	0.173	16.420	0.01
02/19/24	8.060	15.7	4.3	<0.1	3.091	10.6	8.0	<0.1	0.000				1.735	6.8	4.4	<0.1	0.490	0.170	13.650	0.13
02/20/24	8.300	11.2	8.3	0.1	3.414	11.4	8.0	<0.1	0.565	3.7	6.4	<0.1	2.085	8.4	6.8	<0.1	0.490	0.179	14.380	1.15
02/21/24	11.110	9.7	6.3	0.1	4.061	9.9	9.0	0.1	0.399	5.2	3.9	0.1	2.022	7.6	5.2	<0.1	0.320	0.177	19.180	0.32
02/22/24	9.820	9.0	6.7	<0.1	3.860	11.3	9.0	<0.1	1.161	6.0	3.3	<0.1	1.782	9.6	6.8	<0.1	0.470	0.171	17.820	0.00
02/23/24	8.960	11.9	11.4	<0.1	4.040	12.2	8.0	<0.1	0.000				1.698	8.4	5.5	<0.1	0.470	0.177	17.120	0.00
02/24/24	8.540	9.2			3.852		8.0		0.000				1.662				0.470	0.173	15.280	0.00
02/25/24	8.470	19.7	5.3	<0.1	4.150				0.000				1.707				0.480	0.177	15.260	0.00
02/26/24	8.620	10.8	10.7	<0.1	4.255	11.6	10.0	<0.1	0.000				1.669	9.8	5.0	<0.1	0.470	0.059	15.310	0.00
02/27/24	8.320	9.7	9.0	0.1	3.960	11.4	10.0	0.1	0.000				1.679	10.6	6.6	<0.1	0.470	0.173	14.950	0.00
02/28/24	8.170	12.9	7.4	<0.1	4.062	12.6	9.0	<0.1	0.908	2.0	1.6	0.1	1.680	8.2	6.1	<0.1	0.470	0.170	14.740	0.00
02/29/24	9.520	8.7	8.4	<0.1	3.850	11.8	10.0	<0.1	0.181	1.4	2.3	<0.1	1.616	8.0	6.1	<0.1	0.470	0.178	15.880	0.00
AVG	9.948	14.8	10.5	<0.1	4.049	9.9	7.5	<0.1	0.483	5.2	4.3	<0.2	1.781	9.7	5.7	<0.1	0.452	0.166	17.189	
TOTAL	288.480				117.427				14.019				51.657				13.120	4.823	498.470	9.60

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: February 2024
 REPORT DUE: April 1, 2024
 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 06:28

Weather: Rain

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease		Water Color		H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Condition	Outlet	
S0	02/07/24	09:25	7000	1300	1500	None	None	None	None	Brown			Turbid		
S1	02/07/24	09:15	6000	500	900	None	None	None	None	Brown			Turbid		
S2	02/07/24	09:55	14000	1800	2200	None	None	None	None	Brown			Turbid		
DSB5	02/07/24	10:15	8000	1100	3800	None	None	None	None	Brown	58		Turbid	Flowing	
S3	02/07/24	09:05	1800	700	800	None	None	None	None	Brown			Turbid		
DSB4	02/07/24	08:55	2300	500	1500	None	None	None	None	Brown			Turbid		
S5	02/07/24	08:45	2500	600	540	None	None	None	None	Brown			Turbid		
DSB1	02/07/24	08:25	3000	700	1500	None	None	None	None	Brown			Turbid	Flowing	
SJC1	02/07/24	09:35	7000	1500	2900	None	None	None	None	Brown			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.

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: February 2024
 REPORT DUE: April 1, 2024
 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 10:14

Weather: Clear

COMMENTS: Some runoff seen from Doheny Desal Drill Site into San Juan Creek.

Unclear if rainwater or water from drilling.

Total Fecal Entero-
 Coliform Coliform coccus Material of Sewage
 CFU/100ml CFU/100ml CFU/100ml Origin Oil & Water H2O Water Water

STATION #	DATE	TIME	SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Outlet	Birds
S0	02/12/24	10:40	100	20	42	None	None	None	None	Blue		Clear		
S1	02/12/24	10:33	110	30	32	None	None	None	None	Blue		Clear		
S2	02/12/24	10:11	1300	90	140	None	None	None	None	Green	58	Slightly Turbid		
DSB5	02/12/24	10:05	1300	90	160	None	None	None	None	Green		Slightly Turbid	Flowing	
S3	02/12/24	11:14	80	10	20	None	None	None	None	Green		Clear		
DSB4	02/12/24	11:10	60	<10	10	None	None	None	None	Green		Clear		
S5	02/12/24	11:02	40	10	28	None	None	None	None	Green		Slightly Turbid		
DSB1	02/12/24	10:57	80	10	10	None	None	None	None	Green		Slightly Turbid		
SJC1	02/12/24	10:46	500	70	120	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.

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: February 2024
 REPORT DUE: April 1, 2024
 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 06:25

Weather: Rain

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor					
S0	02/20/24	08:27	33000	1700	8000	None	None	None	None	Brown		Turbid		
S1	02/20/24	08:31	29000	7900	10400	None	None	None	None	Brown		Turbid		
S2	02/20/24	09:39	41000	4800	10000	None	None	None	None	Brown		Turbid		
DSB5	02/20/24	09:47	70000	16000	11600	None	None	None	None	Brown		Turbid	Flowing	
S3	02/20/24	08:47	22000	1300	2400	None	None	None	None	Brown		Turbid		
DSB4	02/20/24	08:53	25000	2400	2000	None	None	None	None	Brown		Turbid	Flowing	
S5	02/20/24	09:06	6000	1000	820	None	None	None	None	Brown	58	Turbid		
DSB1	02/20/24	09:12	12000	1500	1000	None	None	None	None	Brown		Turbid	Flowing	
SJC1	02/20/24	08:21	29000	23000	2500	None	None	None	None	Brown		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.

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: February 2024
 REPORT DUE: April 1, 2024
 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 10:00

Weather: Clear

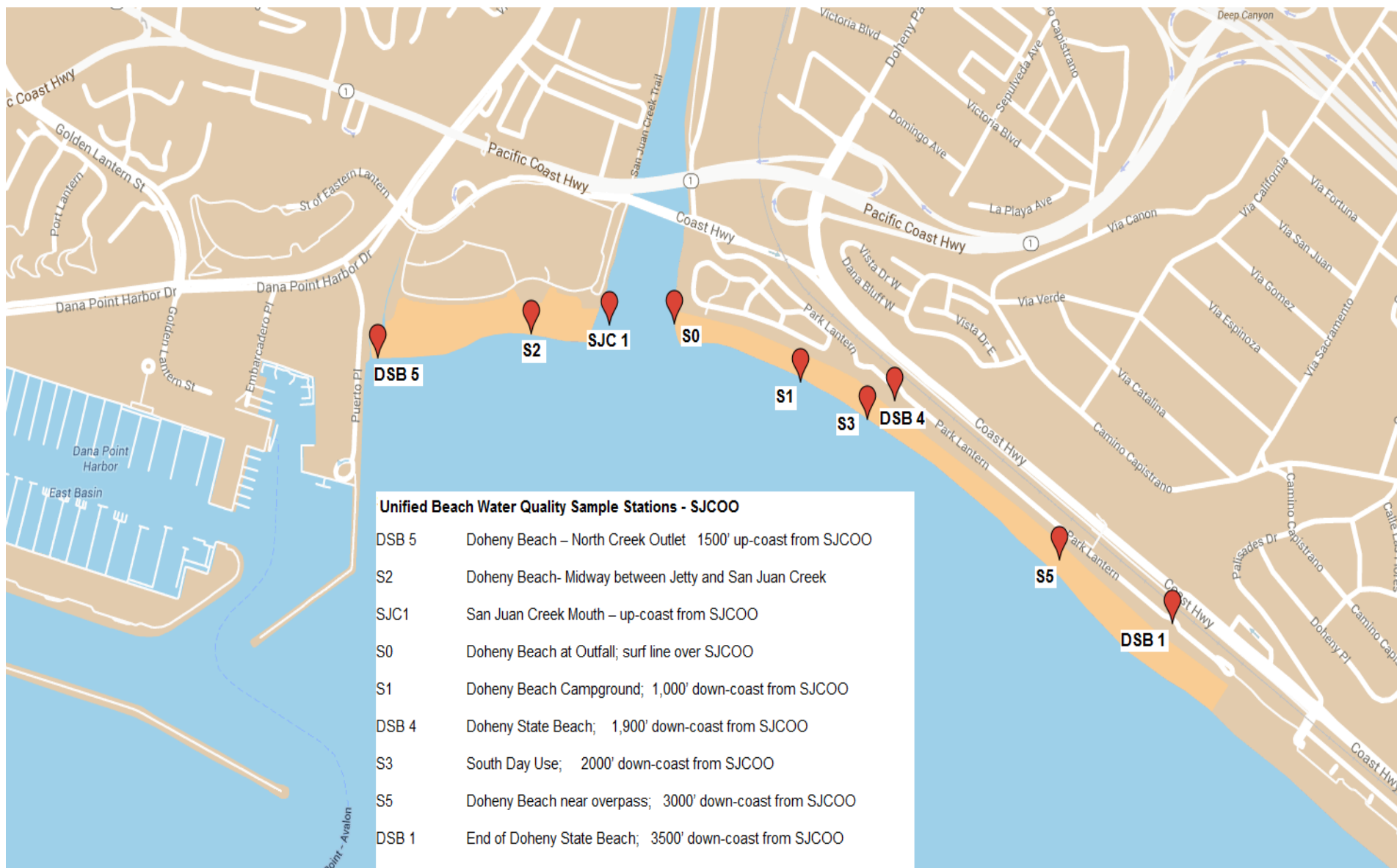
COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease		Water Color		H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore	Grease	Odor	Color	Temp(F)	Condition	Condition	Outlet	
S0	02/27/24	09:20	100	20	30	None	None	None	None	Green			Slightly Turbid		
S1	02/27/24	09:10	20	20	30	None	None	None	None	Green			Slightly Turbid		
S2	02/27/24	09:30	560	200	540	None	None	None	None	Green	59		Slightly Turbid		
DSB5	02/27/24	10:40	520	260	70	None	None	None	None	Brown			Turbid		
S3	02/27/24	09:05	20	<20	20	None	None	None	None	Green			Slightly Turbid		
DSB4	02/27/24	09:00	60	20	10	None	None	None	None	Green			Slightly Turbid		
S5	02/27/24	08:50	<20	<20	10	None	None	None	None	Green			Slightly Turbid		
DSB1	02/27/24	08:45	<20	<20	<10	None	None	None	None	Green			Slightly Turbid		
SJC1	02/27/24	11:10	2100	200	520	None	None	None	None	Brown			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.

Compliance Summary Report
San Juan Creek Ocean Outfall 2024

SJCOO Permit Order No. R9-2022-0005							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
No violations during this monitoring period.							



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: February 2024

Report Frequency: Monthly

Report Due: April 1, 2024

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

Samples Analyzed By: SOCWA Lab

Comments: Low Tide 09:31

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	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	02/16/24	<2	<2	2	08:17	0	0	
A-1	Mid depth	02/16/24	240	160	50				
A-2	Surface	02/16/24	<2	<2	<2	08:10	0	0	
A-2	Mid depth	02/16/24	110	90	<10				
A-3	Surface	02/16/24	<2	2	<2	08:29	0	0	
A-3	Mid depth	02/16/24	30	<10	<10				
A-4	Surface	02/16/24	6	<2	<2	08:39	0	0	
A-4	Mid depth	02/16/24	620	360	120				
A-5	Surface	02/16/24	10	<2	<2	08:23	0	0	
A-5	Mid depth	02/16/24	580	460	50				
B-1	Surface	02/16/24	20	2	<2	07:59	0	0	
B-1	Mid depth	02/16/24	50	10	10				
B-2	Surface	02/16/24	20	2	4	08:50	0	0	
B-2	Mid depth	02/16/24	20	<10	10				
N1	Surface	02/16/24	<2	2	<2	07:49	0	0	
N2	Surface	02/16/24	4	2	<2	07:42	0	0	
N3	Surface	02/16/24	8	<2	<2	07:35	0	0	
N4	Surface	02/16/24	100	36	34	07:28	0	0	
N5	Surface	02/16/24	52	24	10	07:21	0	0	
N6	Surface	02/16/24	30	24	2	07:15	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

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
MNWD - RTP	1/5/2024	TDS	12 month	mg/L	1000	1198	
MNWD - RTP	1/5/2024	Manganese	12-Month	mg/L	0.05	0.130	
SOCWA - CTP	1/9/2024	Manganese	12-Month	mg/L	0.05	0.07	
MNWD - 3A	10/2/2023	TDS	12-Month	mg/L	1000	1064	Offline
MNWD - 3A	10/2/2023	Manganese	12-Month	mg/L	0.05	0.09	Offline
MNWD - RTP	2/13/2024	TDS	12 month	mg/L	1000	1245	
MNWD - RTP	2/13/2024	TDS	Daily Maximum	mg/L	1100	1520	
MNWD - RTP	2/13/2024	Manganese	12-Month	mg/L	0.05	0.140	
SOCWA - CTP	3/2/2024	TDS	Daily Maximum	mg/L	1200	1240.00	
SOCWA - CTP	3/2/2024	Manganese	12-Month	mg/L	0.05	0.14	
MNWD - 3A	10/2/2024	TDS	12-Month	mg/L	1000	1064	Offline
MNWD - 3A	10/2/2024	Manganese	12-Month	mg/L	0.05	0.09	Offline

SOCWA Service Area
Recycled Water Production (ac-ft)
2024

Agency	Facility or Region	Jan '24	Feb '24	Mar '24	Apr '24	May '24	Jun '24	Jul '24	Aug '24	Sep '24	Oct '24	Nov '24	Dec '24	Annual Totals
CSJC 1	3-A Plant/MNWD	.00	.00											.00
CSJC 2	Chiquita/SMWD	8.32	4.19											12.51
CSJC 3	Non-Domestic Well	4.26	.00											4.26
ETWD	Region 8	17.23	9.21											26.44
IRWD														
4	IRWD - 8	26.18	7.83											34.01
4	IRWD - 9	9.80	2.87											12.67
SCWD	SOCWA CTP	30.54	.08											30.62
MNWD	JRP	210.93	154.61											365.54
	3-A Plant	.00	.00											.00
5	CTP	3.04	-1.49											1.55
SMWD	Oso Creek													
	Chiquita	535.21	513.58											1048.79
	Nichols	1.61	1.68											3.29
TCWD	RRWRP	39.21	39.85											79.06
TOTALS		886.30	732.41											1618.71

- 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

Recycled Water Report

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending:

Mar 31, 2024

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	977.00		781.00	842.00	1064.00	1245.00	994.00
Chloride	mg/L	375	218.00		208.00	231.00	215.00	260.00	208.00
Sulfate	mg/L	400	342.00		182.00	183.00	270.00	357.00	258.00
Sodium	mg/L	None	53.00		137.00	167.00		157.00	142.00
Alkalinity	mg/L	None	-	-	-	-		265.00	184.00
Adjusted SAR	Ratio	None	3.85		4.28	5.68	3.23	3.70	3.85
Iron	mg/L	0.3	.03		.07	.02	.20	.20	.12
Manganese	mg/L	0.05	.00		.04	.01	0.09	.14	.08
MBAS	mg/L	0.5	ND		ND	ND	<0.03	<0.10	<0.10
Boron	mg/L	0.75	.33		.24	.24	.33	.35	.30
Fluoride	mg/L	None	.65		.78	.93	.67	.86	.81
Total Organic Carbon	mg/L	None	6.30		9.70	5.80	2.30	9.60	7.10

*** 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)
2024

Agency	Facility or Region	Jan '24	Feb '24	Mar '24	Apr '24	May '24	Jun '24	Jul '24	Aug '24	Sep '24	Oct '24	Nov '24	Dec '24	Annual Totals
CSJC 1	3-A Plant/MNWD	.00	.00											.00
CSJC 2	Chiquita/SMWD	8.32	4.19											12.51
CSJC 3	Non-Domestic Well	4.26	.00											4.26
ETWD	Region 8	17.23	9.21											26.44
IRWD														
4	IRWD - 8	26.18	7.83											34.01
4	IRWD - 9	9.80	2.87											12.67
SCWD	SOCWA CTP	30.54	.08											30.62
MNWD	JRP	210.93	154.61											365.54
	3-A Plant	.00	.00											.00
5	CTP	3.04	-1.49											1.55
SMWD	Oso Creek													
	Chiquita	535.21	513.58											1048.79
	Nichols	1.61	1.68											3.29
TCWD	RRWRP	39.21	39.85											79.06
TOTALS		886.30	732.41											1618.71

- 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

5.F.

Legal Counsel Review: No

Meeting Date: April 4, 2024

TO: Board of Directors

FROM: Jim Burror, Acting General Manager/Director of Operations

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Monthly Pretreatment Report – February and March 2024
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 continues to utilize the CA Manufacturers Directory, submitted will serve notices, and business licensing data to identify industrial users (IUs) and update each member agency (MA) industrial waste survey (IWS) spreadsheet. Additionally, Dental Users continue to submit One-Time Compliance Reports and Staff is noting as received. Please see “Summary of IWS Activities” table below.

RWQCB-SD Staff canceled the Pretreatment Compliance Inspection (PCI) of SOCWA’s Pretreatment Program scheduled for March 4, 2024.

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:

SCWD – NSWD Permit No. SCWD-N4-011 – OC Public Works Poche Beach – Renewal NSWD Permit to continue to allow backwash wastewater from the treatment system to be discharged to the sewer. The current permit expired October 1, 2023. SCWD Staff finalized a third Amendment to the existing Agreement between County and SCWD Staff for operation of the facility. SOCWA Staff are waiting to receive a renewal permit application from County Staff and expect to issue a renewal permit before the start of the dry season on April 15th.

SCWD – NSWD Permit No. SCWD-N4-010 for Three Arch Bay (TAB) – TAB has finalized construction of two new dry weather diversion sewer connections to replace the existing connection. SOCWA Staff are waiting to receive a permit application from TAB Staff while SCWD Staff is working on finalizing an Amendment to the existing Agreement between the two agencies. Once received and finalized, a permit will be issued reflecting the new diversions and removal of the existing connection.

Trainings and Committee Meetings Attended

SOCWA Staff continue to attend monthly OC Strike Force Meetings to receive and share legal information related to environmental cases and incidents throughout the county.

On March 1, 2024, Staff attended a CWEA SARBS Strategic Planning Meeting to discuss participation as the new sub-committee P3S Chair, potential training events and the budget for FY24/25. Staff will keep MAs informed of P3S future training events for key staff to attend.

Inspections

On March 13, 2024, On March 13, 2024, SOCWA and SCWD Staff visited TAB to view the two new dry weather diversions and confirm that they have flow meters, are capable of being sampled and shut-off when required.

Summary of IWS Activities in SOCWA's Service Area - YTD through March 20, 2024

<u>MA IUs</u>	<u>Events</u>	<u>Permits</u>	<u>NIWD</u>	<u>BMPs</u>	<u>FSEs</u>	<u>OSEs</u>	<u>DSEs</u>	<u>Closed</u>	<u>Enforcement</u>	<u>Total IUs</u>
CLB (S)	0	3	2	5	8	110	15	0	0	143
CSC (S)	2	10	35	18	181	1265	37	1	0	1546
CSJC (S)	2	0	27	59	142	1691	29	0	0	1948
ETWD (M)	0	0	88	0	262	131	50	0	0	487
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	0	4	51	21	63	915	18	0	0	1072
MNWD (S)	36	5	120	38	650	2138	150	9	1	3101
SMWD (S)	6	10	19	20	214	839	52	0	1	1154
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	5	1	0	0	0		0	0	6
Totals	46	45	387	168	1675	7308	368	10	2	9906

(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

Agenda Item

5.G.

Board of Directors Meeting

Meeting Date: April 4, 2024

TO: Board of Directors

FROM: Jim Burror, Acting General Manager/Director of Operations

STAFF CONTACT: Roni Grant, Associate Engineer

SUBJECT: Capital Improvement Program Status Report (March)

The status of the SOCWA Capital Improvement Program is 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.

J.B. Latham Centrate Line Upgrades

Replacement of valves and piping in the centrate system located in the Dewatering Building.

The notice to proceed (NTP) has been issued to SS Mechanical. Staff is working with the contractor to procure valves and piping for this project.

Coastal Treatment Plant Diffusers Upgrades

Replacement of diffusers and air headers in the aeration basins.

The NTP has been issued to Filanc. Staff is working with the contractor to start the project next month.

Aliso Creek and San Juan Creek Ocean Outfalls Ballast Maintenance

Ballast maintenance and repair as part of the conditional lease requirements in the State Lands Commission 24-year leases.

The NTP has been issued to Filanc. Staff is working with the contractor to start the project next month.

Recommended Action: Information Item.

SOCWA CIP Workplan

Project Number	Project Name	Project Budget	Status	FY 2023/2024				FY 2024/2025			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 2 - J.B. Latham Treatment Plant											
3220/3231/3287	Facility Improvements B		Construction complete								
32234L	Chlorine Contact Basin Isolation Gates and Structural Rehab	\$ 165,736						D	D	B&A	C
32231C	Process Water Repiping	\$ 50,000						P	P	D	D
3216/32225S	Energy Building Upgrades	\$ 2,037,000	Design proposal under review				D	D	D	B&A	C
3252	MCC M and G Replacement	\$ 1,882,988	Design underway	D	D	D	D	B&A	C	C	C
3234	Centrate Piping Reconstruction	\$ 648,794	Construction underway	D	B&A	C	C	C	C		
32226L	Effluent Pump Station Upgrades	\$ 950,000	Design proposal under review		D	D	B&A	C	C	C	C
32233S	Scum Line Replacement	\$ 150,000	Design underway			D	D	B&A	C		
32244S	Digester Gas and Flare Piping Improvements	\$ 75,000				P	P	D	D	D	D
32243L	Plant 2 Headworks Rehabilitation	\$ 200,000				P	D	D	D	B&A	C
32244L	Plant 2 Primary Clarifier Condition Assessment	\$ 50,000				P	CA				
32243C	SCADA Server Replacement	\$ 200,000									
PC 5 - San Juan Creek Ocean Outfall											
36241O	SJCOO Outfall Ballast Repairs	\$ 250,000	NTP issued		D	B&A	C	C			
PC 15 - Coastal Treatment Plant											
3541	Export Sludge Environmental Mitigation	\$1,392,100	Mitigation work ongoing	ENV	ENV	ENV	ENV	ENV	ENV	ENV	ENV
35228L	Aeration Diffuser Replacement	\$ 1,250,000	Construction underway	D	B&A	C	C	C	C		
3525	Personnel Building Reconstruction	\$ 471,586	Design underway	D	D	B&A	C	C			
35221L	Auxiliary Blower Building Roof	\$ 250,000	Bidding underway		P	B&A	C				
3522AL	Drainage Pump Station	\$ 500,000	Conceptual design underway	D	D	D	D	D	D	B&A	C
35235L	Odor Control Scrubber Improvements	\$ 1,447,600	Planning underway			P	P	D	D	D	B&A
35245L	Aeration Deck Grating Replacement	\$ 50,000	Design underway		D	D	B&A	C	C		
35246L	West Primary Sludge Skimmers and Launderers/Weirs	\$ 150,000	Design underway		D	D	D	B&A	C	C	C
35247L	Aeration Blower System Upgrades	\$ 75,000	Planning underway		P	P	P	P	P	D	D
35249L	SCADA Server Replacement	\$ 200,000									

SOCWA CIP Workplan

Project Number	Project Name	Project Budget	Status	FY 2023/2024				FY 2024/2025			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 17 - Regional Treatment Plant											
3742	Aeration System Upgrades	\$ 3,531,085							P	P	D
37241L	Grit/Primary Grating/Gate Replacement	\$ 150,000	RFP issued					D	D	D	B&A
37242L	Aeration Influent/Effluent Gate Replacement	\$ 100,000	RFP issued					D	D	D	B&A
37722AL/37236S/ 3779/37224C	MCC Replacement/Power System Improvements	\$ 2,337,197			P	P	P	D	D	D	D
37245S	Digester Gas System Improvements	\$ 200,000					D	D	D	B&A	C
37246S	Digester 1 Piping Replacement	\$ 250,000					CA	D	D	D	B&A
37247S	Odor Scrubber 1 Replacement	\$ 15,000						P	P	D	D
37243C	SCADA Server Replacement	\$ 200,000									
PC 21 - Effluent Transmission Main											
3105/3106/ 3107/3018	Air Valve Replacement	\$ 2,226,210	Design underway	D	D	D	D	B&A	C	C	C
3101/31221B	Trail Bridge Crossing	\$ 1,859,987	Planning/design underway	P	P	P	P	ENV	ENV	ENV	ENV
PC 24 - Aliso Creek Ocean Outfall											
34241O	ACOO Outfall Ballast Repairs	\$ 280,000	NTP issued		D	B&A	C	C			

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

Note: Projects with zero budget had funds collected in a prior fiscal year.

Agenda Item

5.H.

Board of Directors Meeting

Meeting Date: April 4, 2024

TO: Board of Directors

FROM: Jim Burror, Acting General Manager/Director of Operations

STAFF CONTACT: Roni Grant, Associate Engineer

SUBJECT: Capital Improvement Construction Projects Progress and Change Order Report (March) [Project Committee Nos. 2, 5, 15 and 24]

Overview

This agenda item provides an update on projects in construction, including any change orders. Attached are the updated CIP reports.

Project Updates

JBL Centrate Line Upgrades

The notice to proceed (NTP) has been issued to SS Mechanical. Staff is working with the contractor to procure valves and piping for this project.

CTP Diffusers Replacement

The NTP has been issued to Filanc. Staff is working with the contractor to start the project next month. Due to unanticipated equipment delivery delays, there is one new change order to add 273 non-compensable days to the contract for a new completion date of 12/31/24.

Aliso Creek and San Juan Creek Ocean Outfall Ballast Maintenance

The NTP has been issued to Subsea Global Solutions. Staff is working with the contractor to start the project next month.

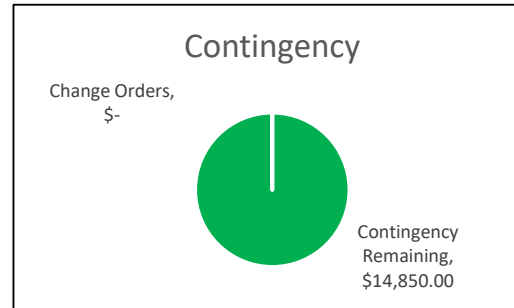
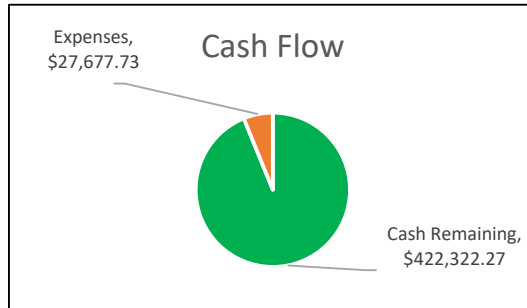
Recommended Action: The Engineering Committee recommends that the PC 15 Board approve Change Order 1 to Filanc to add 273 non-compensable days to the contract for the CTP Diffusers Replacement Project.

Project Financial Status

Project Committee	2
Project Name	Centrate Line Upgrades - 3234
Project Description	Removal and replacement of centrate drain piping, non-potable water piping in the Solids Dewatering Building

Data Last Updated

March 18, 2024



Cash Flow

Collected	\$ 450,000.00
Expenses	\$ 27,677.73

Project Completion

Schedule	10%
Budget	13%

Contracts

Company	PO No.	Original	Change Orders*	Total	Costs to Date
S&S Mechanical	19635	\$ 148,455.00		\$ 148,455.00	
Kleinfelder	14234	\$ 71,374.00	\$ -	\$ 71,374.00	\$ 6,486.25
SOCWA Staff Time	3234	\$ -	\$ -	\$ -	\$ 21,191.48
		\$ 219,829.00	\$ -	\$ 219,829.00	\$ 27,677.73

*Values include change orders to be reviewed by Engineering Committee

Contingency

Area	Project Code	Amount	Change Orders*	Total Remaining	Percent Used
Solids	3234	\$ 14,850.00		\$ 14,850.00	0.0%
		\$ 14,850.00	\$ -	\$ 14,850.00	0.0%

*Values include change orders to be reviewed by Engineering Committee

Change Orders

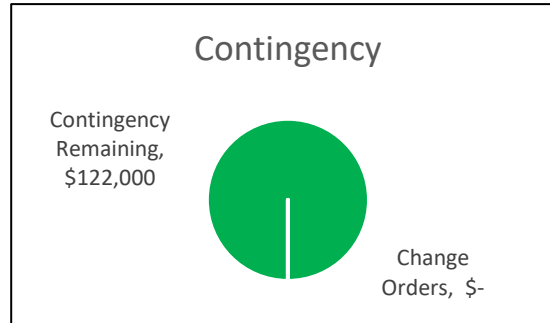
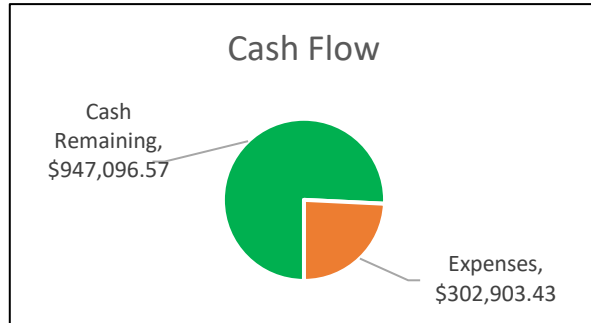
Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
						\$ -

Project Financial Status

Project Committee	15
Project Name	CTP Diffusers
Project Description	Replacement of diffusers in the aeration basins

Data Last Updated

March 18, 2024



Cash Flow

Collected	\$ 1,250,000.00
Expenses	\$ 302,903.43

Project Completion

Schedule	15%
Budget	22%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Filanc	19640	\$ 1,022,250.00			\$ 1,022,250.00	\$ 25,887.50
EDI	16620	\$ 250,490.00			\$ 250,490.00	\$ 250,490.00
Hazen	17256/19641	\$ 93,578.00			\$ 93,578.00	
SOCWA Staff Time	35228L				\$ -	\$ 26,525.93
		\$ 1,366,318.00	\$ -	\$ -	\$ 1,366,318.00	\$ 302,903.43

**Values include change orders to be reviewed by Engineering Committee and deductive change orders*

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Liquids	35228L	\$ 122,000.00		\$ 122,000.00	0.0%
		\$ 122,000.00	\$ -	\$ 122,000.00	0.0%

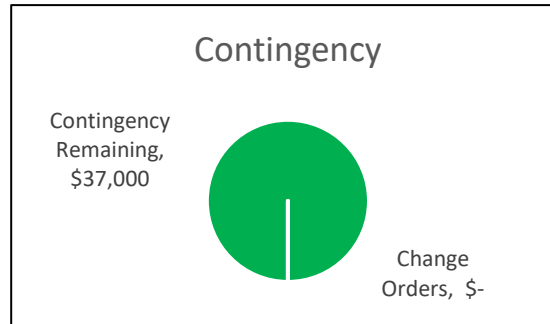
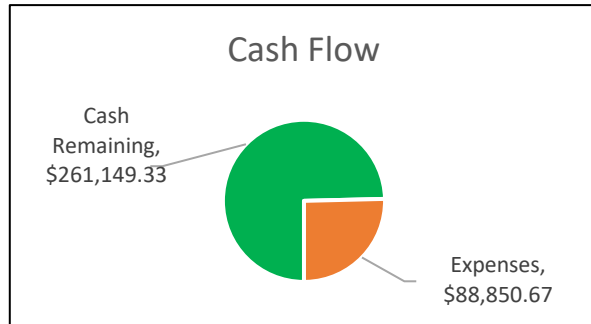
Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
1	Filanc	35228L	Contract Extension	3/18/2024	273	\$ -
						\$ -

Project Financial Status

Project Committee	5 and 24
Project Name	SJCOO and ACCOO Ballast Maintenance - 36241O/34241O
Project Description	Maintenance and repair of ballast at the two outfalls

Data Last Updated

March 18, 2024



Cash Flow

Collected	\$ 350,000.00
Expenses	\$ 88,850.67

Project Completion

Schedule	20%
Budget	24%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Subsea Global	19944	\$ 370,000.00			\$ 370,000.00	\$ 84,157.53
SOCWA Staff Time	36241O/34241O				\$ -	\$ 4,693.14
		\$ 370,000.00	\$ -	\$ -	\$ 370,000.00	\$ 88,850.67

**Values include change orders to be reviewed by Engineering Committee and deductive change orders*

Construction Contingency

Area	Project Code	Amount	Change Orders	Total Remaining	Percent Used
Outfall	36241O/34241O	\$ 37,000.00		\$ 37,000.00	0.0%
		\$ 37,000.00	\$ -	\$ 37,000.00	0.0%

Change Orders

						\$ -

Agenda Item

5.I.

Board of Directors Meeting

Meeting Date: April 4, 2024

TO: Board of Directors

FROM: Jim Burror, Acting General Manager/Director of Operations

STAFF CONTACT: Roni Grant, Associate Engineer

SUBJECT: Coastal Treatment Plant (CTP) Funding Strategy and Implementation Plan [Project Committee 15]

Overview

SOCWA has been working with Hazen to develop the CTP funding strategy and implementation plan. The draft report and presentation are attached here.

Prior Related Project Committee or Board Action (s)

This item was reviewed and discussed by the Engineering Committee on March 14, 2024. The committee recommended obtaining a proposal from Hazen to identify specific project opportunities as the next step.

Recommended Action: The Engineering Committee recommends that the PC 15 Board receive and file the report as an information item.

January 29, 2024

To: South Orange County Wastewater Authority
From: Lisa Hulette, Hazen and Sawyer, West Funding Lead
cc: Dave Jones, P.E., Hazen and Sawyer, Vice President

Re: South Orange County Wastewater Authority - Funding Strategy Plan Development for the Coastal Treatment Plant – Resiliency and Water Quality Improvements

INTRODUCTION

South Orange County Wastewater Authority (SOCWA) is anticipating a 4 million gallon per day (MGD) upgrade to its Coastal Treatment Plant to improve the plant's resiliency and water quality. At SOCWA's request, Hazen and Sawyer (Hazen) will identify potential funding opportunities for this program related to the following Bipartisan Infrastructure Law (BIL). In addition, Hazen will explore grant-related money offered by the following:

- California Department of Water Resources (DWR),
- Federal Emergency Management Agency (FEMA),
- U.S. Bureau of Reclamation (Reclamation),
- U.S. Environmental Protection Agency's Water Infrastructure Finance and Innovation Act (WIFIA) program, and the
- State Water Resources Control Board Clean Water State Revolving Fund (CWSRF) program.



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FUNDING BACKGROUND

The Bipartisan Infrastructure Law (BIL) was signed by President Biden in November 2021. It includes over \$50 Billion of funding (above baseline federal funding) to improve the availability, quality and resilience of water and wastewater infrastructure across the country, especially in historically underserved communities. The availability of BIL funding over the next 4-5 years, combined with new regulatory drivers and aging infrastructure has increased competition for project funding across the state and the nation, necessitating the establishment of informed funding strategies to increase owners' ability to leverage BIL funding.

Key to accessing BIL and other federal funding sources is the ability to demonstrate a project's benefits to historically underserved communities. Passed as part of President Joseph Biden's Executive Order 14008, Justice40 requires that at least 40 percent of the overall benefits from federal climate and infrastructure investments go toward disinvested and overburdened communities. The executive order is particularly beneficial for communities in California where the state's use of median household income (MHI) as an indicator is not as comprehensive for identifying disadvantaged communities that may be positively impacted by a project.

While the infusions of federal funding into existing funding programs are largely beneficial, these funding sources also include some drawbacks that must be considered as part of a project's comprehensive funding strategy. Primary among them is the Build American, Buy American Act (BABA). BABA requires that every federally funded public works project use domestically produced construction materials, iron, and steel. BABA intensifies the supply chain issues occurring locally and nationally and introduces potential for significant project schedule and cost implications for all infrastructure projects, particularly for federally funded projects that are not eligible for a BABA waiver.

The goal of this memorandum was to review the potential benefits and risks of leveraging alternative funding mechanisms to finance SOCWA's Coastal Treatment Plant (CTP) – Resiliency and Water Quality Improvement Program (Program) rather than conventional financing means (i.e., by using bonds and/or revenues alone). By evaluating feasible funding options, the project could potentially provide a greater return on investment with a reduced payback period, and lower rate-payer impacts. As such, this memorandum provides SOCWA with recommendations to inform the most beneficial, viable pathway to financing the CTP Program. The information included in this memorandum considers SOCWA's goals and outlines state and federal funding opportunities. Requirements of each funding source are also summarized.

PROJECT DESCRIPTION

The Coastal Treatment Plant (CTP) is in Laguna Beach, Orange County and has a capacity of 6.7 MGD. The CTP has a recycled water production of up to 1.5 MGD and incorporates preliminary, primary, and secondary treatment processes upstream of the advanced water treatment processes that produce the recycled water. SOCWA is currently exploring alternative treatment alternatives for the CTP as part of a 4 MGD upgrade. A comprehensive Future Alternatives Feasibility Study was completed to analyze treatment alternatives that prepare SOCWA for potential future considerations including regulations for enhanced effluent quality as well as impacts to the Advanced Water Treatment Plant (AWTP) to produce recycled water. Five alternative treatment options were evaluated in the study, where three treatment methods were shortlisted. The three treatment alternatives consist of Biological Nutrient Removal (BNR),

Membrane Bioreactor (MBR), and Aerobic Granular Sludge (AGS). Each short-listed alternative was further developed with site-specific comparative capital costs, operation and maintenance cost impacts, site layouts, and construction sequencing challenges.

Short-term benefits for the project include improvements to the water quality discharged to the ocean, a reduction of PFAS, 1,4-Dioxane, Contaminants of Emerging Concern (CEC's), microplastics, and pathogens as well as an increase to recycled water capacity, and achieving more rigorous overall standards for water recycling. Long-term benefits include an elevated level of treatment, overall reduction of discharge to the ocean, and multiple-barrier treatment options to better provide for potential potable reuse.

In addition to integrating the 4 MGD upgrade to the CTP with the shortlisted treatment alternatives mentioned above, the CTP's current infrastructure will also need repairs, rehabilitation, and replacements over the upcoming years leading up to the upgrade. This will necessitate extra funding.

The primary focus of this document is to provide a comprehensive funding strategy and implementation plan to plot a course to obtain and administer the best available funding opportunities. This document outlines various potential funding sources, offering the needed flexibility to adjust to new funding programs and assisting SOCWA in capitalizing on existing programs to secure capital investment.

Figure 1. SOCWA Service Area



0. WATER INFRASTRUCTURE FINANCE TERMINOLOGY

Congressional Earmarks

The term earmark has been used historically to describe distinct types of congressional spending actions, in the 110th Congress (2007-2008), the House and Senate each codified a formal definition of earmark into their respective chamber rules. The Senate codified the definition of

earmark as a “Congressionally directed spending item – a provision or report language included primarily at the request of a Senator providing, authorizing ore recommending a specific amount of discretionary budget authority, credit authority, or other spending authority for a contract, loan, loan guarantee, grant, loan authority, or other expenditure with or to an entity, or targeted to a specific State, locality or congressional district, other than through a statutory or administrative formula driven or competitive award process.”¹

In 2012, the 112th Congress (2011-2012), the House and Senate began observing what has been referred to as an “earmark moratorium” or “earmark ban.” The moratorium did not exist in House or Senate rules, however, and therefore was not enforced by points of order. Instead, the moratorium was established by party rules and committee protocols and was enforced by chamber and committee leadership through their agenda-setting power. For example, the Rules of the House Republican Conference for the 112th Congress (2011-2012) included a standing order labeled Earmark Moratorium that stated, “It is the policy of the House Republican Conference that no Member shall request a congressional earmark, limited tax benefit, or limited tariff benefit, as Lifting the Earmark Moratorium: Frequently Asked Questions Congressional Research Service 2 such terms have been described in the Rules of the House.”²

In a February 26, 2021, press release, the House Appropriations Committee announced that for FY 2022, Members may submit up to 10 requests for Community Project Funding across all the appropriations bills. The total amount available for designation is limited to 1% of discretionary spending³. In 2022, President Joseph Biden signed a revision to the Water Resources and Development Act (WRDA), described in greater detail below. SOCWA may want to consider WRDA as a viable funding approach for Coastal Treatment Plant projects.

Federal Justice40 Initiative

The Justice40 Initiative requires that a minimum of 40% of the benefits from specific federal investments be directed to underserved communities. This initiative represents a comprehensive approach involving the entire government and is collaboratively overseen by the Council on Environmental Quality (CEQ), the Office of Management and Budget (OMB), and the White House Office of Domestic Climate Policy. Additionally, the White House Environmental Justice Interagency Council, convened by the CEQ, plays a key role in its implementation. This differs from a State Disadvantaged Community (DAC) which is defined as a community with an annual median household income (MHI) that is less than 80% of the Statewide annual MHI (PRC Section 75005(g)) and those census geographies with an annual MHI less than 60% of the Statewide annual MHI are considered “Severely Disadvantaged Communities” (SDAC).

This particularly matters in communities in California where the use of MHI as an indicator of disadvantage would not fully highlight disadvantages where the data can skew or not include non-monetary forms of disadvantages (i.e., environmental justice communities/underrepresented communities). A Justice 40 Map is required for all federal funding opportunities.

¹ House and Senate Appropriations Committees, “House and Senate Appropriations Committees Announce Additional Reforms in Committee Earmark Policy.

² House Republican Conference, “Conference Rules of the 115th Congress,” Standing Orders for the 115th Congress, <https://www.gop.gov/115th-rules/>.

Federal Crosscutters

This section discusses the typical federal cross-cutting requirements that apply primarily to project construction activities supported by federal funds, regardless of funding program and type of project. Programs subject to federal cross-cutting requirements include California state funding programs bolstered by federal money (e.g., State Revolving Fund or iBank). The potential burden of federal cross-cutting compliance must be taken into consideration relative to project cost, schedule, and reporting requirements and any related ground-disturbing investigations implemented in the project area.

1. **National Environmental Policy Act (NEPA).** The National Environmental Policy Act (NEPA) was signed into law on January 1, 1970. Most federally funded projects/programs require compliance with NEPA, including water and wastewater projects. Detailed documents are assembled surrounding the project that include information on how the project will promote efforts to prevent, minimize, or eliminate adverse impacts to the environment and stimulate the health and welfare of people, ecological systems, and natural resources. These detailed documents are submitted to the federal agency for review by various cross-cutting federal departments and the public.

For replacement or rehabilitation projects, NEPA compliance could be limited to completing a Categorical Exclusion⁴. However, the extent of NEPA review would be made by the U.S. Bureau of Reclamation (Reclamation) or other federal agency (acting as the federal Lead Agency). At a minimum, the NEPA process may add 3-6 months to the implementation schedule for documentation review, a coordinated review with other federal agencies, and a public comment period.

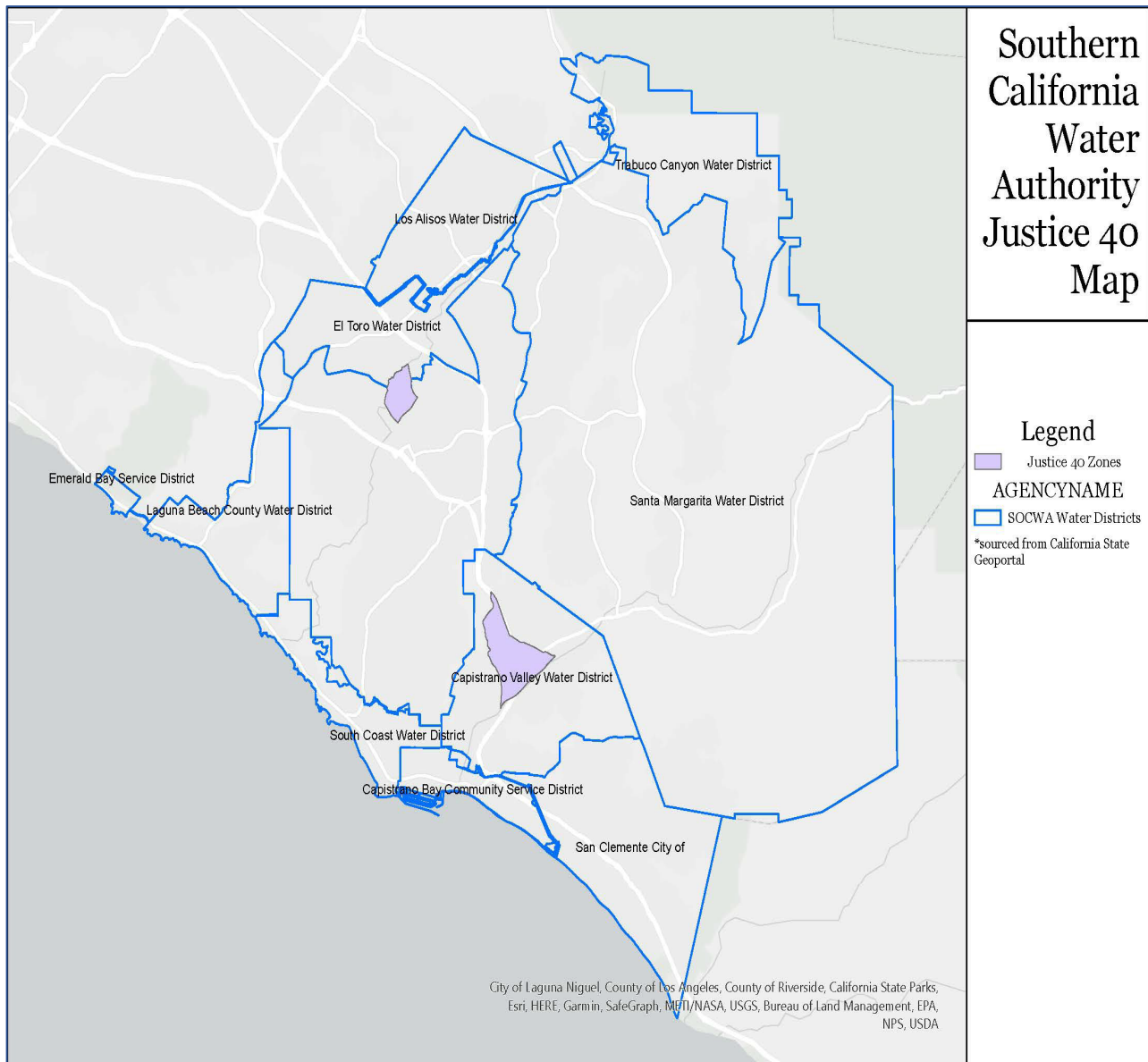
2. **Labor Requirements and Davis-Bacon Related Acts (DBRA).** The Davis-Bacon Act of 1931 was put in place to strengthen working conditions for laborers and mechanics, primarily through the establishment of prevailing wage regulations. As a result of the Great Recession that began in 2007 and ended in June of 2009, the American Recovery and Reinvestment Act (ARRA) and the Water Resources Reform and Development Act (WRRDA) of 2014 made the Davis-Bacon Act and related acts (DBRA) part of the SRF program for construction projects. DBRA only applies to construction or ground-breaking projects where a construction contractor is procured and will be paid for with federal funds. To comply with DBRA, construction contractors must be procured through the requirements in the Federal Code of Regulations (2CFR200.317- 2CFR200.318).
3. **American Iron and Steel (AIS).** As part of the Consolidated Appropriations Act of 2014, the American Iron and Steel (AIS) requirement was put into effect. The AIS requirement is associated with programs that provide funding assistance to and make it mandatory to use iron and steel products that are produced in the United States for the construction, alteration, maintenance, or repair of public water systems or treatment works. Therefore, AIS would apply to the Lead Service Line (LSLR) replacement projects only. The programs that are impacted by this requirement include WIFIA, SRF, and other federally funded projects. This requirement has the potential to increase the cost of construction and could delay the replacement due to ongoing supply chain shortages of iron and steel components.
4. **Build America, Buy America (BABA).** The Build America, Buy America Act (BABA) expands the AIS requirement beyond iron and steel to manufactured products and construction materials used in infrastructure projects funded by federal assistance. BABA

requires all federal agencies to ensure that no federal financial assistance for infrastructure projects is provided unless all the iron, steel, manufactured products, and construction materials used in the project are produced in the United States. (FEMA, 2023)³ Technical assistance, management costs, planning, engineering, and debris removal projects are not subject to BABAA requirements.

A federal agency may waive the application of a domestic preference under a financial assistance program if the Administrator in charge of the financial assisting program finds that (EPA, 2023):

- Application of the BABAA requirements would be inconsistent with the public interest (“public interest waiver”)
 - Types of iron, steel, manufactured products, or construction materials are not produced in the United States in sufficient and reasonably available quantities or of a satisfactory quality (a “nonavailability waiver”); or
 - The inclusion of iron, steel, manufactured products, or construction materials produced in the United States would increase the cost of the overall project by more than 25% (an
5. **Additional Requirements.** Additional requirements of alternative funding mechanisms can include monitoring and audit requirements and site visits. These items can increase the total project costs if additional consultants are needed to perform these services. While they do not have an impact on the construction schedule, they may impact the overall project timeline.

Figure 2. Justice 40 Map



FUNDING OPPORTUNITIES AND RECOMMENDATIONS

This section summarizes an investigation of funding opportunities and presents preliminary funding recommendations for SOCWA's CTP Resiliency and Water Quality Improvement Program. The focus of this evaluation was identifying funding sources (e.g., grants, bonds, and loans) with funding eligibility criteria, timing and budget that may potentially align with the schedule for implementation of the CT Resiliency and Water Quality Improvement Program, or discrete projects within the larger program.

Table 1 lists the funding sources that were preliminarily identified to align with Hazen's understanding of the project scope.

Table 1. Applicable Sources of Infrastructure Funding	
Federal	
American Rescue Plan Act – State and Local Fiscal Recovery Funds	
Bipartisan Infrastructure Law (BIL)	
Department of Energy (DOE) Grants	
Federal Emergency Management Agency (FEMA) Grants	
EPA – Water Infrastructure Financing and Innovation Act (WIFIA)	
EPA – Water & Climate Resiliency Grants	
Inflation Reduction Act (IRA)	
US Bureau of Reclamation (Reclamation) -WaterSmart Grants	
State	
CA State Drinking Water Revolving Fund (DWSRF)	
CA Department of Water Resources	

1.1.1 THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA)

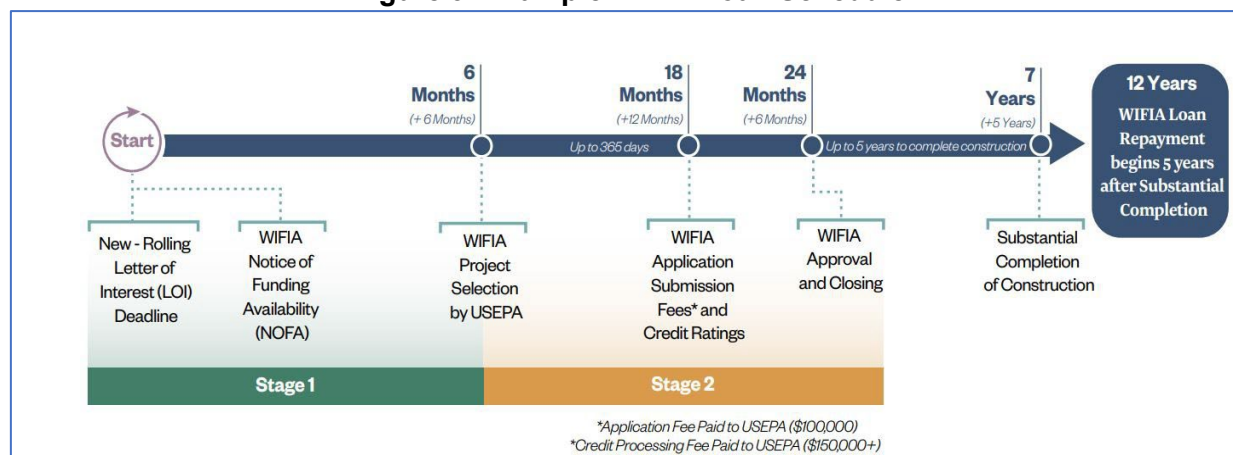
1.1.1.1 *Water Infrastructure Finance and Innovation Act (WIFIA)*

Description and Intent. The Water Infrastructure Finance and Innovation Act of 2014 (WIFIA) established the WIFIA program, a federal credit program administered by EPA for eligible water and wastewater infrastructure projects. WIFIA and the WIFIA implementation rule outline the eligibility and other requirements for prospective borrowers. The benefits of the WIFIA program increase as the project size increases. By strategically scoping the inventory and implementation SOCWA can optimize WIFIA funding to enhance return on investment, however this may also add some complexity to the application and to overall loan administration.

Estimated Funding Opportunity Window. The WIFIA program sets its interest rate based on the U.S. Treasury rate on the date of loan closing. The rate is calculated using the weighted average life (WAL) of the loan rather than the loan maturity date. The WAL is generally shorter than the loan's actual length, resulting in a lower interest rate. WIFIA loan applications are accepted on a rolling basis. Interest rate will be equal to or greater than the U.S. Treasury rate of

a similar maturity. **Figure 3** is a sample schedule that may be truncated or expanded based on the project approach and timeline.

Figure 3: Example WIFIA Loan Schedule



- Minimum Project Size \$20 million
- Minimum Project Size for Small Communities (25,000 or less): \$5 million
- Maximum portion of eligible project costs that WIFIA can fund: 49%

Recommendation. Consider developing a programmatic WIFIA loan agreement for the entirety of The Coastal Treatment Plant – Resiliency and Water Quality Improvement Program. This can also be accomplished by each of the member cities as stand-alone loan agreements and/or use a multi-city/utility approach. If a WIFIA agreement is pursued, then note that the maximum federal funding that can go to the project(s) are 80% of total project cost.

1.1.2 CALIFORNIA STATE WATER RESOURCES CONTROL BOARD (SWRCB)

1.1.2.1 Clean Water State Revolving Fund (CWSRF)

Description and Intent. The CWSRF program assists public water systems in financing the cost of water Reclamation infrastructure projects needed to achieve or maintain compliance with Clean Water Act requirements, administered by the State Water Resources Control Board (SDWA) requirements. The State Water Resources Control Board's interest rate for Clean Water State Revolving Fund financing is 50 percent of California's average general obligation bond rate obtained by the State Treasurer for the previous calendar year. The FY23/24 CWSRF Intended Use Plan has added incentives for "New consolidation incentives to encourage the regionalization of wastewater service (State Water Resources Control Board, 2023)." Priorities for CWSRF include Disadvantaged Communities (DACs) and Small Severely Disadvantaged Communities (SDACs); Onsite Wastewater Treatment Systems; San Francisco Bay/Sacramento-San Joaquin Delta Estuary (Bay-Delta); and Sustainability and Climate Change projects .

The CA CWSRF interest rates are at or near 2.10%. Below are the steps detailing the CWSRF process:

1. Contact SWRCB's Division of Financial Assistance (Division) to coordinate your application with the project schedule.
2. Complete the below packages and submit via the SWRCB's Financial Assistance Application Tool (FAAST). Example SRF packages can be available to SOCWA upon request.
 - a. Potential Red Flags Worksheet
 - b. General Project Information Worksheet
 - c. Technical Application Package
 - d. Environmental Package
 - e. Financial Security Package

Estimated Funding Opportunity Window. The estimated funding opportunity for CWSRF is ongoing and awards are given out on a rolling basis and must be submitted by 12/31 to be considered for funding in the next fiscal year as prioritized in the CWSRF Intended Use Plan (IUP).

Recommendation. Consider developing a programmatic or project specific CWSRF loan agreement for the entirety of The Coastal Treatment Plant – Resiliency and Water Quality Improvement Program led by SOCWA or, for stand-alone project, led by each member city, as appropriate. Given the ongoing high loan demand on the CWSRF compared to the funds available, the State Water Board will not be able to fund all projects currently requesting loan funding in SFY 2023-24 or anticipated in 2024-2025. If SOCWA is considering utilizing this type of loan interest loan for funding, then consultation with SWRCB early in the process is recommended.

1.1.3 FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA)

1.1.3.1 Hazard Mitigation Grant Program (HMGP)

Description and Intent. FEMA's Hazard Mitigation Grant Program provides funding to state, local, tribal, and territorial governments so they can develop hazard mitigation plans and rebuild in a way that reduces, or mitigates, future disaster losses in their communities. This grant funding is available after a presidentially declared disaster.

- Minimum Project Cost: \$ 100,000
- Maximum Grant: \$5,000,000

Estimated Funding Opportunity Window. FEMA HMGP only opens after a Presidential Declaration of Disaster. The first step of the application is a Notice of Intent, which establishes eligibility and then the sub-applicant has about 3 months to submit application to the California Office of Emergency Services (CalOES). CalOES is the applicant, and SOCWA would be the sub-applicant.

Recommendation. HMGP is an excellent source of grant funding for infrastructure projects. Since the Notice of Funding Opportunity is only released after a Presidential Declaration of Disaster and the Benefit-Cost Analysis component of the grant sub-application is tied to disaster economics before and after mitigation, SOCWA may want to consider preparing a task order for the development of a project specific sub-application to prepare for this future grant opportunity.

1.1.3.2 *Building Resilient Infrastructure and Communities (BRIC)*

Description and Intent. BRIC is a nationally competitive mitigation grant program designed provide states, local communities, tribes, and territories to address high-level future risks to natural disasters such as wildfires, drought, hurricanes, earthquakes, extreme heat, and

increased flooding to foster greater community resilience and reduce disaster suffering. The program's guiding principles are supporting communities through capability- and capacity-building; encouraging and enabling innovation; promoting partnerships; enabling large infrastructure projects; maintaining flexibility; and providing consistency.

Estimated Funding Opportunity Window. FEMA BRIC releases its Notice of Funding Opportunity (NOFO) through the CalOES, usually around August of each year. The first step of the application is a Notice of Intent, which establishes eligibility and then the sub-applicant has about 3 months to submit application to the California Office of Emergency Services (CalOES). CalOES is the applicant, and SOCWA would be the sub-applicant.

- Minimum Project Size \$250,000
- Maximum Federal Share: \$50,000,000

Recommendation. This grant opportunity has an emphasis on building resilient communities using nature-based solutions and stakeholder inclusion. This grant application has a strong emphasis on economics and pre & post-mitigation costs, which required in the Benefit-Cost Analysis. SOCWA should consider a project within the larger CTP Program that has these elements, develop a list of projects that can be pre-screened through BRIC's scoring criteria and then choose a project, no later than July to be ready for the release of the NOFO in August.

1.1.4 **UNITED STATES BUREAU OF RECLAMATION (Reclamation)**

1.1.4.1 *WaterSMART Water and Energy Efficiency Grants*

Description and Intent. On-the-ground water management improvement projects, including projects that conserve water and address water supply reliability. Up to \$500,000 for projects to be completed within two years; up to \$2 million for projects to be completed within three years; and up to \$5 million for large projects to be completed within three years.

Benefits related to the upgrades to the CTP which would align with this grant include improving water discharged to the ocean, increased recycled water capacity, and meeting stringent water reuse requirements which would support and address overall water supply reliability.

Estimated Funding Opportunity Window

- Calendar Year 2024 Application Due Date: February 22, 2024
- Cost Share: 50 percent or more of total project costs.
- No minimum set
- Maximum Award: \$5,000,000

Recommendation. This grant program requires a Drought Management Plan (DMP) and/or a Water Conservation Plan that meets Reclamation requirements. For cities that have a DMP, this is an underutilized funding opportunity that SOCWA would have a high chance of grant success. The first steps would be to contact Reclamation staff and initiate a pre-grant consultation to determine eligibility and pathway to success.

1.1.4.2 *WaterSMART Drought Resiliency Projects*

Description and Intent. Drought Resiliency can be defined as the capacity of a community to cope with and respond to drought. Under this element of the program, RECLAMATION will provide funding for projects that will help communities prepare for and respond to drought. Typically, these types of projects are referred to as "mitigation actions" in a drought contingency plan. RECLAMATION will fund projects that will build resiliency to drought by:

- Increasing the reliability of water supplies
- Improving water management
- Providing benefits for fish and wildlife and the environment

Benefits related to the upgrades to the CTP which would align with this grant include having advanced treatment processes required to meet current drinking water standards which would support and address overall water supply reliability which would support recycled water capacity for SOCWA's service area.

Estimated Funding Opportunity Window.

- Application Due Date: The 2024 Funding Opportunity was posted August 7, 2023. Applications received by November 7, 2023, are currently under review. Selections are expected around mid- March 2024. A NOFO for federal FY 24/25 is expected to be released August 2024.
- Cost Share: 50 percent or more of total project costs.
- Minimum Award: \$25,000
- Maximum Award: \$5,000,000

Recommendation. This grant program requires a Drought Management Plan (DMP) and/or a Water Conservation Plan that meets Reclamation requirements. This is a highly competitive grant opportunity for cities that rely on either the Colorado River or the State Water Project. The first steps would be to contact Reclamation staff and initiate a pre-grant consultation to determine eligibility and pathway to success.

1.1.4.3 *WaterSMART Environmental Water Resources Projects*

Description and Intent. WaterSMART Environmental Water Resources Projects is a category of

funding to support projects focused on environmental benefits and that have been developed as

part of a collaborative process to help conduct an established strategy to increase the reliability of water resources. Applicants are invited to leverage their money and resources by cost sharing with Reclamation on Environmental Water Resources Projects, including water conservation and efficiency projects that result in quantifiable and sustained water savings and benefit ecological values or watershed health; water management or infrastructure improvements to benefit ecological values or watershed health; and watershed restoration projects benefitting ecological values or watershed health that have a nexus to water resources or water resources management.

Benefits related to the upgrades to the CTP which would align with this grant include the short-term benefit of improving water discharged to ocean as well as the overall long-term benefit of reducing discharge to the ocean which would support ecological values. The upgrades to CTP would also result in multiple barrier treatment that would make overall improvements to ocean water discharge and provide improved treatment for potential potable reuse.

Estimated Funding Opportunity Window

- Selections for the FY23 Environmental Water Resources Projects funding opportunity were announced November 15, 2023. Reclamation releases NOFO's for this grant type on an annual basis and is expected to release a FY24 NOFO in spring 2024.
- Cost Share: 25 percent or more of total project costs.
- Minimum Award: No minimum set
- Maximum Award: \$3,000,000

Recommendation. This grant program requires a Drought Management Plan (DMP) and/or a Water Conservation Plan that meets Reclamation requirements. This is a highly competitive grant opportunity for cities that rely on either the Colorado River or the State Water Project. The first steps would be to contact Reclamation staff and initiate a pre-grant consultation to determine eligibility and pathway to success.

1.1.4.4 WaterSMART Planning and Project Design Grants

Description and Intent. New for 2023, Project Design Grants offers cost sharing with Reclamation for the site-specific final design of medium and large-scale on-the ground water supply construction (including domestic water supply projects for Tribes, insular areas, and disadvantaged communities), water management construction, and restoration projects. This grant has funding for both Water Strategy Grants and Project Design Grants as well as Drought Contingency Planning.

Benefits related to the upgrades to the CTP which would align with this grant include having long-term drivers for advanced treatment and potable reuse in the region.

Estimated Funding Opportunity Window

- Calendar Year 2024 Application Due Date: April 2, 2024.
- Cost Share: 0 percent, 25 percent, or 50 percent, depending on the project type.
- Minimum Award: \$100,000.00 (Planning & Design)

- Maximum Award: \$400,000.00 (Planning & Design)
- Minimum Award: \$25,000 (Drought Contingency Planning)
- Maximum Award: \$400,000 (Drought Contingency Planning)

Recommendation. A first step for receiving Reclamation funding for any opportunities that fall under the WIIN Act is to develop a feasibility study. SOCWA should consider applying for this funding to develop a Congressionally Authorized Feasibility Study for the entirety of the CTP Program. The first step is to consult with Reclamation to determine which components of SOCWA's program can be included in a Reclamation funded feasibility study.

1.1.4.5 *WaterSMART Water Recycling and Desalination*

Description and Intent. Water recycling and desalination are essential tools for stretching limited water supplies in the Western United States. Reclamation provides cost-shared funding on a competitive basis for planning, design, and construction of water recycling and desalination projects. Funding is made available for projects through the Title XVI Water Reclamation and Reuse Program, the Desalination Construction Program, and the Large-Scale Water Recycling Program.

Benefits related to the upgrades to the CTP which would align with this grant include long term advanced treatment and reuse in the region as well as short-term drivers for improved recycled water capacity.

Estimated Funding Opportunity Window

- Calendar Year 2024 Application Due Date: September 30, 2024.
- Cost Share: 75 percent or more of total project costs.
- Minimum Award: No minimum set
- Maximum Award: Up to \$200 Million. The Federal Award Amount is based on a max of 25% of the expected total project cost.

Recommendation. This funding source requires a Congressionally Authorized Title XVI Feasibility Study. The first step for this funding is to work with Reclamation, either through a funding agreement or other federal nexus, to develop a Reclamation approved study for consideration by Congress.

1.1.4.6 *WaterSMART Large-Scale Water Recycling Project*

Description and Intent. The program will provide \$450 million over the next five years to projects in Reclamation states that have a total project cost greater than or equal to \$500,000,000, at 25% Federal cost share, with no per-project maximum. Large-scale recycled water projects will play a key role in helping communities develop local, drought-resistant sources of water supply by turning currently unusable water sources into a new source of water supply that is less vulnerable to drought and climate change.

Benefits of the upgrades to the CTP include long term drivers that would reduce dependence on traditional water supplies and increase resiliency efforts which would align with this program.

Estimated Funding Opportunity Window

- Calendar Year 2024 Application Due Date: September 30, 2024.
- Cost Share: 75 percent or more of total project costs.
- Minimum Award: No minimum set
- Maximum Award: Up to \$180 Million. The Federal Award Amount is based on a max of 25% of the expected total project cost.

Recommendation. This funding source requires a Congressionally Authorized Title XVI Feasibility Study. The first step for this funding is to work with Reclamation, either through a funding agreement or other federal nexus, to develop a Reclamation approved study for consideration by Congress.

1.1.5 WaterSMART TITLE XVI

Title XVI of P.L. 102-575, as amended (Title XVI), provides authority for Reclamation's water recycling and reuse program, titled "Title XVI." Through the Title XVI program, Reclamation identifies and investigates opportunities to reclaim and reuse wastewater and impaired ground and surface water in the 17 Western States and Hawaii. Title XVI includes funding for the planning, design, and construction of water recycling and reuse projects in partnership with local government entities. Funding for implementation of projects must have a Congressionally Authorized Feasibility Report that has been approved by the Reclamation.

1.1.5.1 Title XVI Congressionally Authorized Projects

Description and Intent. The objective of this program is to invite sponsors of congressionally authorized water Reclamation and reuse projects (Projects) to request cost-shared funding for the planning, design, and/or construction of those Projects. Benefits of the upgrades to CTP would include improving recycled water capacity, which would encourage water reuse. These benefits would align with this program.

Funding Opportunity Window.

- Calendar Year 2024 Application Due Date: September 30, 2024.
- Cost Share: 75% or more of total project costs.
- Minimum Award: None set
- Maximum Award: Up to \$20 Million unless otherwise specified by Congress.

Recommendation. This funding source requires a Congressionally Authorized Title XVI Feasibility Study. The first step for this funding is to work with Reclamation, either through a funding agreement or other federal nexus, to develop a Reclamation approved study for consideration by Congress.

1.1.5.2 WaterSMART: Desalination Construction Projects Under the WIIN Act

Description and Intent. The Water Infrastructure Improvements for the Nation (WIIN) Act provides new authority to the Reclamation to develop a desalination construction program that will provide a path for ocean or brackish water desalination projects to receive Federal funding. Benefits of the upgrades to the CTP include conserving and enhancing recycled water capacity

for water reuse which would improve overall water supply which would align with this program. To be eligible for WIIN Act funding, the CTP project that SOCWA is seeking must have a completed Title XVI feasibility study submitted to the Reclamation. Completed feasibility studies must be found by Reclamation to meet all the requirements of WTR 11-01. If a feasibility study has been reviewed by Reclamation and found to meet the requirements of WTR 11-01, but the review findings have not yet been transmitted to Congress, Reclamation will transmit those findings to Congress either before project selections are made or concurrently with project selections.

Estimated Funding Opportunity Window.

- Calendar Year 2024 Application Due Date: September 30, 2024.
- Cost Share: 75% or more of total project costs.
- Minimum Award: None set
- Maximum Award: Up to \$30 Million per project. The Federal Award Amount is based on a max of 25% of the expected total project cost.

Recommendation. This funding source requires that a Congressionally Authorized Title XVI Feasibility Study be submitted to and is in the review process by Reclamation. The study does not have to be authorized by Congress, but steps must be documented showing progress toward authorization. The first step for this funding is to work with Reclamation, either through a funding agreement or other federal nexus, to develop a Reclamation approved study for consideration by Congress.

1.1.5.3 WaterSMART: Title XVI WIIN Act Water Reclamation and Reuse Projects for Fiscal Years 2023 and 2024

Description and Intent. Through the Title XVI Water Reclamation and Reuse Program (Title XVI), authorized by P.L. 102-575 in 1992, Reclamation provides financial and technical assistance to local water agencies for the planning, design, and construction of water Reclamation and reuse projects. Water recycling is a valuable tool used to stretch limited water supplies in the Western United States. Title XVI projects develop and supplement urban and irrigation water supplies through water reuse—thereby improving efficiency, providing flexibility during water shortages, and diversifying the water supply. These projects provide growing communities with new sources of clean water which increases water management flexibility and makes water supplies more reliable.

Estimated Funding Opportunity Window

- Calendar Year Application Due Date: September 30, 2024.
- Cost Share: 75% or more of total project costs.
- Minimum Award: None set
- Maximum Award: Up to \$30 Million per project. The Federal Award Amount is based on a max of 25% of the expected total project cost.

Recommendation. This funding source requires that a Congressionally Authorized Title XVI Feasibility Study be submitted to and is in the review process by Reclamation. The study does not have to be authorized by Congress, but steps must be documented showing progress toward authorization. The first step for this funding is to work with Reclamation, either through a funding agreement or other federal nexus, to develop a Reclamation approved study for consideration by Congress.

1.1.6 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA)

1.1.6.1 *Environmental Protection Agency (EPA) Midsize and Large Drinking Water Systems Infrastructure Improvement Grant & Sustainability Program*

Description and Intent. This grant program assists medium and generous size public water systems with protecting drinking water sources from natural hazards, extreme weather events, and cybersecurity threats. Funds may also be used for projects or programs that:

- Reduce extreme weather events and cybersecurity vulnerabilities.
- Conserve or enhance water supply through water reuse measures.
- Form regional water partnerships to address water shortages.

All public water systems that serve a community with a population of 10,000 or more. 50% of the program's appropriation will go to public water systems that serve a population of between 10,000 and 100,000, and 50% of the program's appropriation will go to public water systems that serve a population 100,000 or more.

Estimated Funding Opportunity Window

The Notice of Funding Opportunity (NOFO) for this grant is anticipated to be released in spring 2024.

Recommendation Benefits of the upgrades to the CTP include conserving and enhancing recycled water capacity for water reuse with long term benefits of improving advanced treatment and reuse in the region which would align with this program.

ALTERNATIVE FUNDING SOURCES

2.1.1 **Water Resources Development Act (WRDA).**

The Water Resources Development Act (WRDA) is a pertinent legislation in the U.S., enabling the Army Corps of Engineers (USACE) to conduct studies, construct projects and research activities that can lead to the improvement of rivers and harbors of the United States. The U.S. Army Corps of Engineers (USACE) is a Department of Defense agency that develops water resource projects, principally to improve navigable channels, reduce flood and storm damage, and restore aquatic ecosystems. Congress often considers, on a biennial schedule, omnibus legislation to authorize USACE water resource activities. Congress regularly refers to this legislation as a Water Resources Development Act (WRDA). WRDAs are distinguished from each other by the year of enactment (e.g., WRDA 1986). Authorization is generally a precondition for USACE activities to be eligible for federal appropriations. To obtain WRDA funding, SOCWA will first need to contact the Southern Area Office in Los Angeles. The office contact information is: U.S. Army Corps of Engineers, 40015 Sierra Highway, Suite B145, Palmdale, CA, 93554 or by phone at (661) 265-7222.

2.1.2 **The Safe, Clean Water Program (Measure W).**

The Safe, Clean Water Program (SCWP), also known as Measure W, is funded by the local taxpayers and has many mechanisms for supporting transparency and accountability in the expenditure of those funds. The new parcel tax now mandates a 2.5 cent/square foot assessment

on all buildings located in Los Angeles County. Revenue generated from Measure W will help cities across the County meet obligations under the federal Clean Water Act and associated permits that are given out by the state. Funds are being used to pay for regional and municipal projects that improve water quality and may also increase water supply and provide community benefits such as parks or wetlands. This is especially critical as the region and the state needs to be more water resilient as we face the effects of climate change. Additionally, 10 percent of the revenue is earmarked for the L.A. County Flood Control District for administration. Measure W currently only provides funding for projects in Los Angeles County. ***This is not a viable option for SOCWA or projects in Orange County.***

2.1.3 Water rates and surcharges.

Establishing cost-based rates, fees, and charges is a key component in a well-managed and operated water utility. Cost-based rates provide sufficient funding to allow communities to build, operate, maintain, and reinvest in their water system that provides the community with safe and reliable drinking water and fire protection. Properly and adequately funded water systems also allow for the economic development and sustainability of the local community. The purpose of this manual is to discuss standard practices in financial planning and rate making that a utility can use to establish cost-based rates, fees, and charges to recover the full costs associated with their water system. (American Water Works Association, 2021).

2.1.4 Municipal bonds.

The current market and estimated bond rate. As of December 12, 2023, Interest rates have been trending down for the last 6 weeks as the market sees signs of a rebound from higher yields this year. The rally came after the Fed meeting in October 2023 with the markets predicting fed cuts in 2024. As of December 15, 2023, employment data was strong and the debt that is invested by the United States yields increased. For a 20-year tax-exempt water revenue rate, a good ballpark is 4.50%. As the market trends into 2024, Hazen can provide SOCWA with more information on Municipal Bonds and update on the impact to ratepayers. (NHA, 2023)

2.1.5 Private capital and Non-Governmental Organizations (NGO).

In addition to federal and state resources, nonprofit foundations have provided funding for water infrastructure:

- **Pisces Foundation:** Pisces Foundation is based in San Francisco and has a large philanthropic focus on water issues throughout the west. Their water strategy is “We support local efforts in cities from coast-to-coast to implement One Water approaches, like green infrastructure, which can reduce water pollution, add parks and other amenities, reduce flooding, and augment water supply. We fund leaders who are bringing this new thinking and bold practice to the urgent task of ensuring safe, sufficient, and secure water, creating more resilient communities, healthier waters, and stronger economies.” (Pisces Foundation, 2022)

Pisces Foundation Projects: The Pisces Foundation does not accept unsolicited proposals; however, they have supported organizations throughout California to implement innovative solutions to protect and conserve water. The level of giving ranges from \$5,000 to \$2,000,000 and may be a good strategy for a partnership, but not for considerable water infrastructure project funding.

- **Ford Foundation:** The goal of the Ford Foundation with regards to Climate and the Environment is “Throughout the Global South, the extraction of natural resources—metals, minerals, forests, and fossil fuels—is growing rapidly, causing severe environmental damage and social harm, particularly to indigenous and rural communities. Added to that, weak governance and corruption mean that revenues from extraction disproportionately benefit big corporations, and all too commonly bypass the communities of origin entirely.

Ford Foundation Projects: Their philanthropic focus is in Central and South America. This potential funding source was reviewed but deemed not a good fit for SOCWA.

- **Walton Family Foundation:** The goal of the Walton Family Foundation (WFF) regarding water is “protecting water during climate change is one of the most important challenges of our time. Whether it is droughts, floods, wildfires, rising sea levels or changes in the ocean food chain – climate change affects every place we have water. We are in a water crisis, and we need to act like it. The foundation's Environment strategy seeks lasting water solutions in three key geographies: The Colorado River Basin, the Mississippi River Basin, and our Oceans. Our goal is to make sure there is enough healthy, available water for people and nature to thrive together.” (Walton Family Foundation, 2023)

WFF does not seek unsolicited proposals; however, a relationship can be started if SOCWA has projects that reduce reliance on water from the Colorado River, protect beaches or lessen water quality impacts to the ocean.

WFF Projects: United States funded projects have centered around reduction of reliance on Colorado River, and while WFF states that their geography spreads to California, examples projects are primarily research. This may not be a good fit for SOCWA unless there is an innovative research project, in partnership with UC Irvine or other universities, to be considered.

FUNDING TIMELINE AND TOTAL COST DASHBOARD

Figure 4. Grant Timeline

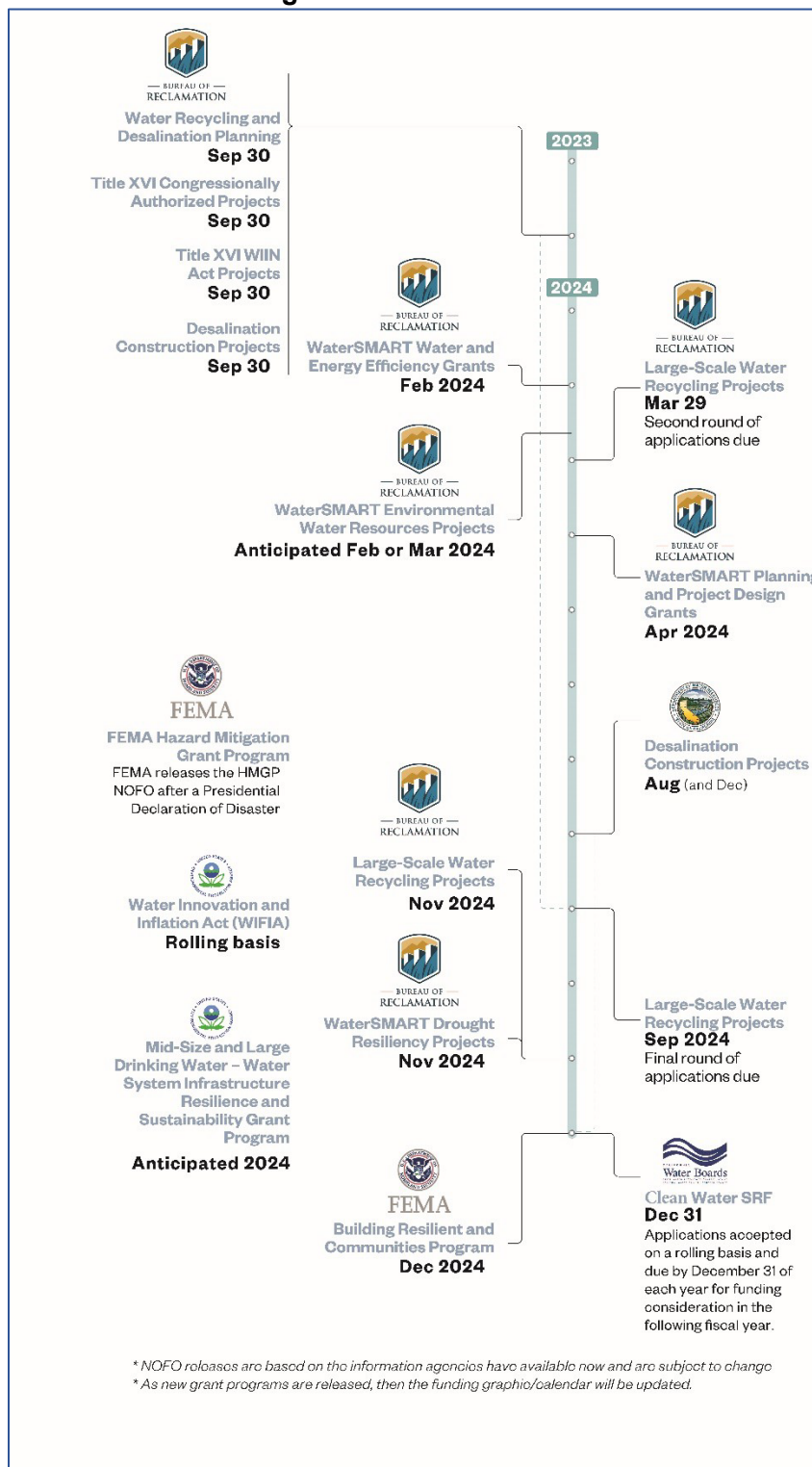
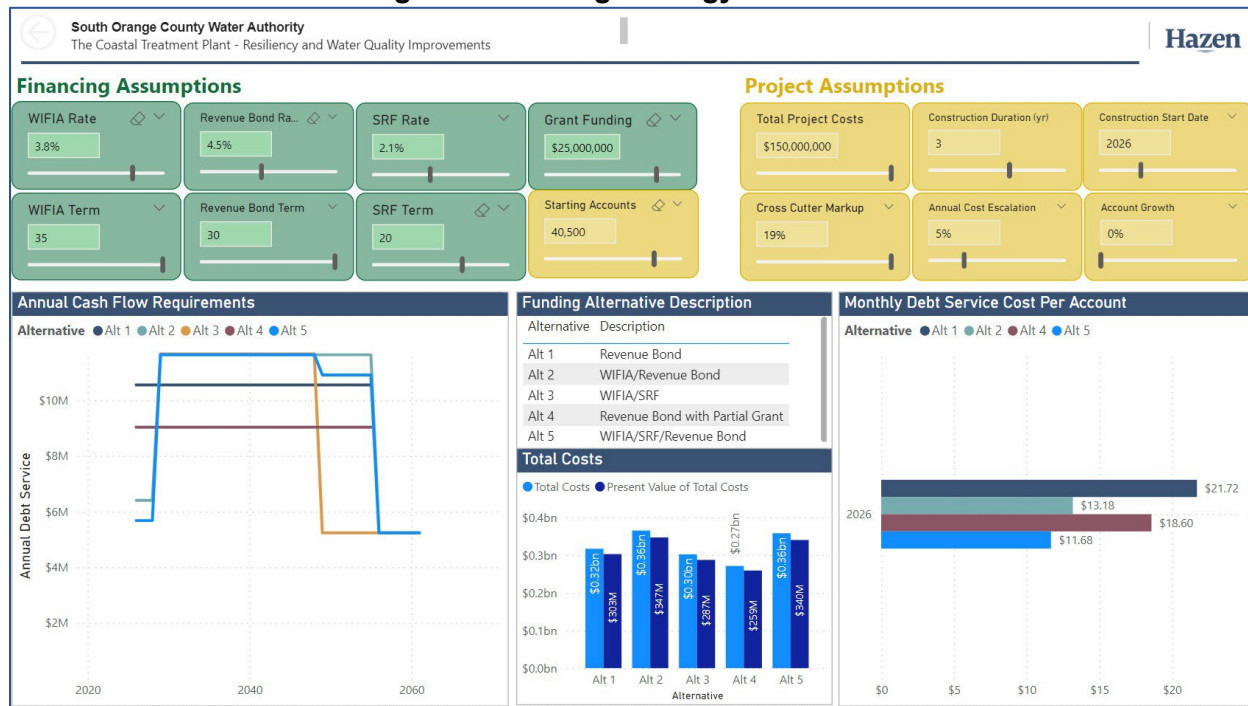


Figure 5. Funding Strategy Dashboard



3.1.1 RECOMMENDATION SUMMARY

After completing a preliminary evaluation, Hazen has identified potential funding options for SOCWA. The following are options further assessed; however, there are several combinations that can be assembled to accomplish the mission of funding CIP water related projects.

Leveraging funding opportunities.

- Reviewing various aspects of a project to combine funding to offset loan amounts
- Optimizing components of projects that could be within a project and highlighting that aspect to create a portion that is fundable to grant programs.
- This could be an option for if the full scope of the program has not yet been formulated. Additional project investigation and agency conversations should be part of the vetting process.

The option of using the SRF with the WIFIA and offsetting debt with grant funding is the most valuable to the CTP Resiliency and Water Quality Improvement Program. This option has the potential for being partnered with other funding to offset the loan repayments.

Hazen has evaluated the recommended financing option, included a Funding Dashboard that can be utilized to weigh the potential financial fiscal impacts, project cost, interest rates, grant amounts, crosscutter requirements percentage increases, etc., and allow SOCWA to better evaluate the savings and impacts to rate payer that each funding option options provides.

PROPOSED NEXT STEPS

There are several circumstances that come into view due to the increasing cost because of federal requirements that have been placed into effect with the new legislation of the BIL and IRA. However, municipalities can capitalize on the benefits of lower interest rates, longer terms, and flexible cash flows. Additional workshops should be a consideration to best understand SOCWA's short and long-term financial goals and use the grant decision tree to determine which specific parts of the CTP Program are appropriate for funding, and then utilize the grant development timeline found in Appendix A to determine the timing of developing grant and or loan documents.

1. Determine the sequence for funding of projects of projects in SOCWA's Coastal Treatment Plant – Resiliency and Water Quality Improvements Program (CTP Program).
2. Develop project specific Funding Strategy Dashboard to determine effects of project cost on rates using various funding mechanisms (i.e., loans, bonds, grants)
3. Consider SRF and WIFIA as interim funding sources to kick-start CTP Program
 - a. Contact Department of Water Resources SRF staff to gauge projects best suited to meet CWSRF funding priorities
 - b. Contact WIFIA program staff to initiate the loan process
4. Contact the Reclamation to discuss the potential for the CTP Program, or individual projects, which may be suitable funding. If SOCWA or its member agencies do not have a Congressionally Authorized Feasibility Study or one in process being reviewed by Reclamation, then a Reclamation Planning Grant to develop should be considered a priority.
5. Apply for Title XVI grant funding through the following programs:
 - i. Planning and Design (Feasibility Study)
 - ii. Desalination Planning and Project
 - iii. Large-scale Water Recycling
 - iv. Drought Management
6. Apply for EPA grant funding in FY24 for EPA'S Large Drinking Water Systems Infrastructure Improvement Grant & Sustainability Program
7. Prepare to apply for FEMA's Building Resilient Infrastructure and Communities grant
8. Prepare to apply for FEMA's Hazard Mitigation Grant Program

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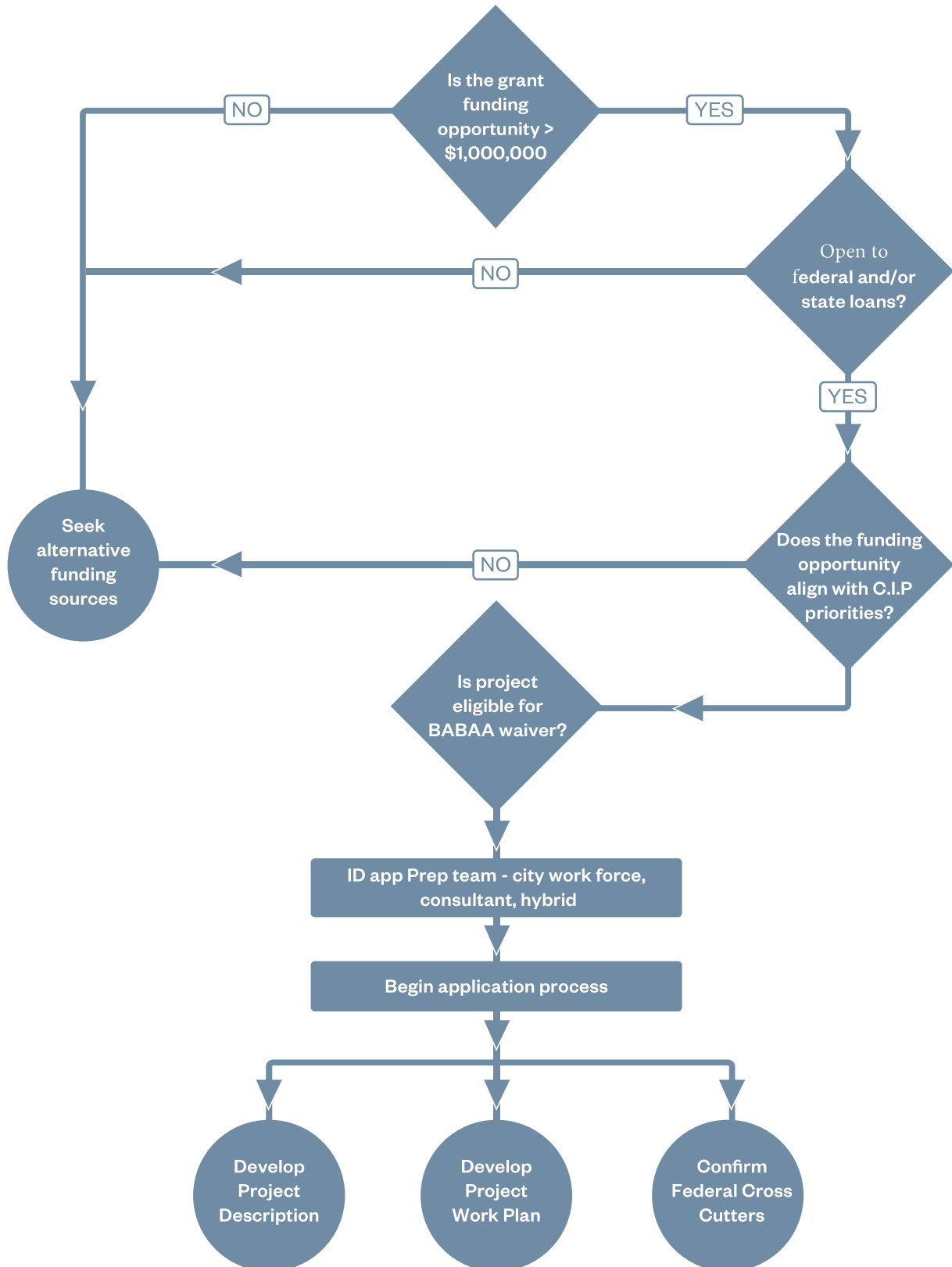
APPENDIX A
FUNDING SOURCE

Agency	Funding Program	Maximum Award	NOFO Release Date	2024 Submittal Due Date	Description	Agency Requirements	Eligible Project Types
United States Environmental Protection Agency	Grant: Midsize and Large Drinking Water Systems Infrastructure Improvement Grant & Sustainability Program	\$5,000,000	Anticipated release in 2024	Not posted	This grant program assists medium and generous size public water systems with protecting drinking water sources from natural hazards	All public water systems that serve a community with a population of 10,000 or more. 50% of the program's appropriation will go to public water systems that serve a population of between 10,000 and 100,000, and 50% of the program's appropriation will go to public water systems that serve a population 100,000 or more.	Planning, design, construction, implementation, operation or maintenance projects that have a goal of enhancing drinking water system resilience
	Loan: Water Infrastructure Finance and Innovation Act (WIFIA)	Total project cost must be >\$20,000,000.	Rolling Basis	Rolling Basis	The Water Infrastructure Finance and Innovation Act of 2014 (WIFIA) established the WIFIA program, a federal credit program administered by EPA for eligible water and wastewater infrastructure projects.	Minimum Project Size for WIFIA is \$20 million	Projects that are eligible for Drinking Water SRF
						Federal Crosscutters apply	Energy efficiency projects at drinking water and wastewater facilities
						51% cost share from non-federal source	Brackish or desalination, aquifer recharge, alternative water supply and water recycling projects
						Two part application process	Drought prevention reduction or mitigation
State Water Resources Control Board	Loan: Clean Water SRF	>\$100,000,000	Rolling Basis	Dec-24	Financing for publicly owned treatment facilities, nonpoint source projects, and estuary projects. The most common types of application are for wastewater treatment plants and sewer systems.	Federal Crosscutters apply. Preference given to Disadvantaged Communities. Interest rate is half of the most recent General Obligation Bond Rate.	Regionalization of wastewater service, water quality programs (e.g., emerging contaminants), onsite wastewater system upgrades, recycled water reuse. water conservation and promotion of low impact development
Federal Emergency Management Agency	Grant: Hazard Mitigation Grant Program (HMGP)	\$5,000,000	Following a Presidential Declaration of Disaster	TBD	The Notice of Funding Opportunity is released through DEMA following a Presidential Declaration of Disaster.	FEMA approved hazard mitigation plan & 25% non-federal cost share	Development of aHazard Mitigation Plan
						Reduces risk from hazards and demonstrates the cost of the project is greater than the cost of catastrophic loss of the facility.	Harden ore habilitate infrastructure to reduce hazard risk to critical facilities, people & property(e.g., drought, flooding, wind, extreme heat)
	Grant: Building Resilient Infrastructure and Communities (BRIC)	\$50,000,000	Jun-24	Dec-24	BRIC releases its Notice of Funding Opportunity through DEMA, usually around June of each year.	FEMA approved hazard mitigation plan, federal cross cutter compliance & 25% cost share	Phased projects which include design, environmental compliance and construction
						Reduces risk from hazards and demonstrates the cost of the project is greater than the cost of catastrophic loss of the facility.	Harden ore habilitate infrastructure to reduce hazard risk to critical facilities, people & property(e.g., drought, flooding, wind, extreme heat)
						Incorporation of nature-based solutions and partnerships	Phased projects which include design, environmental compliance and construction
United States Bureau of Reclamation	Grant: WaterSMART Water and Energy Efficiency Grants	\$5,000,000	12-Nov-23	28-Feb-24	On-the-ground water management improvement projects, including projects that conserve water and address water supply reliability.	Applicants must have a Drought Management Plan, a Water Conservation Plan or both. 50% cost share from non-federal source.	Water Conservation (e.g., Turf replacement, irrigation efficiency, and commercial cooling systems),
	Grant: WaterSMART Drought Resiliency Projects	\$5,000,000	7-Aug-23	30-Sep-24	This program will provide funding for projects that will help communities prepare for and respond to drought.	Applicants must have a Drought Management Plan, a Water Conservation Plan or both. 50% cost share from non-federal source.	Develop and update drought plans and implement projects that will build long-term resiliency to drought
	Grant: WaterSMART Environmental Water	\$3,000,000	Mar-24	5/30/2024	Projects focused on environmental benefits and that have been developed as part of a collaborative process to help conduct an established strategy to increase the reliability of water resources.	Applicants must have a Drought Management Plan, a Water Conservation Plan or both. 50% cost share from non-federal source.	Water supply drought resilience projects with a co-benefit of addressing an environmental issue (i.e., active stream or wetland restoration, instream water dedication, and riparian habitat improvements.

APPENDIX A
FUNDING SOURCE

Agency	Funding Program	Maximum Award	NOFO Release	2024 Submittal Due Date	Description	Agency Requirements	Eligible Project Types
United States Bureau of Reclamation (Continued)	Grant: WaterSMART Planning and Project Design Grants	\$400,000	7-Aug-23	Apr-24	Funding for the site-specific final design of medium and large-scale on-the ground water supply construction, water management construction, and restoration projects. This funding can be used to develop a WIIN Act/Title XVI Feasibility Study and/or a Drought Management Plan.	Applicants must have a Drought Management Plan, a Water Conservation Plan or both. 50% cost share from non-federal source.	Funding for planning and design projects to support water management: (1) Water Strategy Grants to conduct planning activities to improve water supplies (e.g., water supplies to disadvantaged communities, water marketing, water conservation, drought resilience, and ecological resilience); (2) Project Design Grants to conduct project-specific design for projects to improve water management; and (3) Drought Contingency Plans.
	Grant: WaterSMART Water Recycling and Desalination	\$30,000,000	27-Sep-23	29-Mar-24	Water recycling and desalination are essential tools for stretching limited water supplies in the Western United States. Reclamation provides cost-shared funding on a competitive basis for planning, design, and construction of water recycling and desalination projects.	Applicant must have a Congressionally Authorized Feasibility Study and Report approved by Reclamation. 50% cost share	Water recycling desalination projects
	Grant: WaterSMART Large-Scale Water Recycling Project	< \$180,000,000	6-Sep-23	1-Nov-24	The program will provide \$450 million over the next five years to projects in Reclamation states that have a total project cost greater than or equal to \$500,000,000, at 25% Federal cost share, with no per-project maximum	Applicant must have a Congressionally Authorized Feasibility approved by Reclamation. 75% cost share	Water recycling and reuse projects that have a total project cost >\$500,000,000
	Grant: WaterSMART Title XVI Congressionally Authorized Projects	< \$20,000,000 unless otherwise specified by Congress.	28-Sep-23	30-Sep-24	Up to \$20 Million unless otherwise specified by Congress.	Applicant must have a Congressionally Authorized Feasibility Study approved by Reclamation. 50% cost share	Project identified in the approved and authorized feasibility study
	Grant: WaterSMART: Water Reclamation and Reuse	< \$30,000,000	28-Sep-23	1-Nov-24	Through the Title XVI Water Reclamation and Reuse Program (Title XVI), authorized by P.L. 102-575 in 1992.	Must have a Congressionally Authorized Feasibility Study approved by Reclamation or one that has been submitted for review 75% cost share	Water reclamation and reuse
Non-Government Organization (NGO)							
Non-governmental organization (NGO)	Private Philanthropic Funding: Walton Family Foundation	TBD	N/A	N/A	The Foundations Environment [Initiative] strategy seeks lasting water solutions in three key geographies: the Colorado River Basin, the Mississippi River Basin, and our Oceans. Our goal is to make sure there is enough healthy, available water for people and nature to thrive together.	The Walton Family Foundation does not accept unsolicited proposals.	To be discussed & determined through a collaborative process with WFF.

Funding Decision Tree





South Orange County Wastewater Authority

Funding Strategy Overview

March 14, 2024

Lisa Hulette, MBA, MPA, PMP
Hazen and Sawyer | Western Region Funding Lead
Lhulette@hazenandsawyer.com



Agenda

Goal of the funding strategy

- Overview of funding objectives for the Coastal Treatment Plan – Resiliency and Water Quality Improvements
- Funding sources evaluated

Funding sources

- Overview of funding sources available as of 1/5/2024
- New sources of funding

Funding recommendation process

- Criteria utilized to make preliminary recommendations
- Recommendations

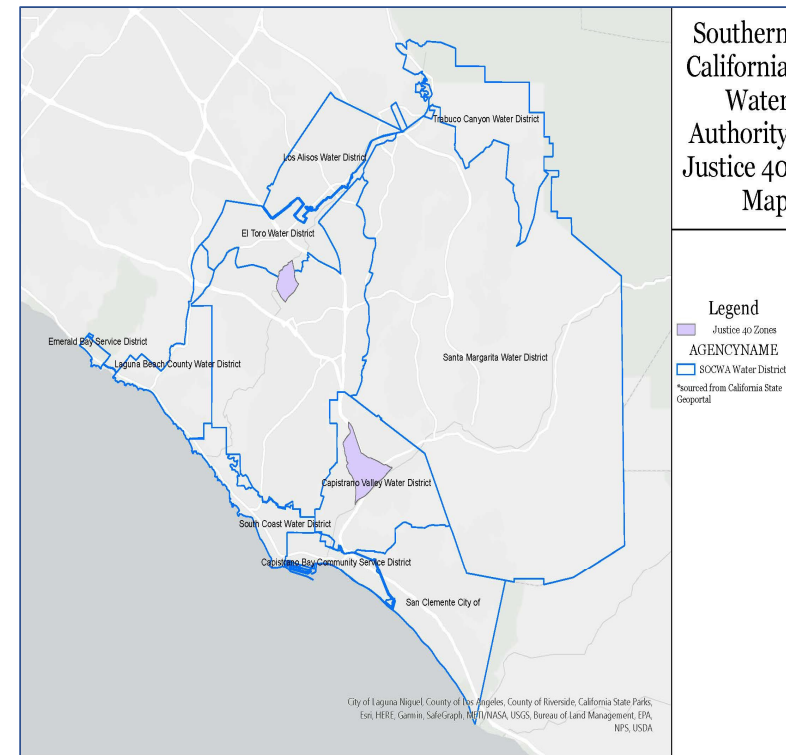
Funding timelines & decision tree

- Strawman workplan for funding application submittal
- Decision tree

Potential next step

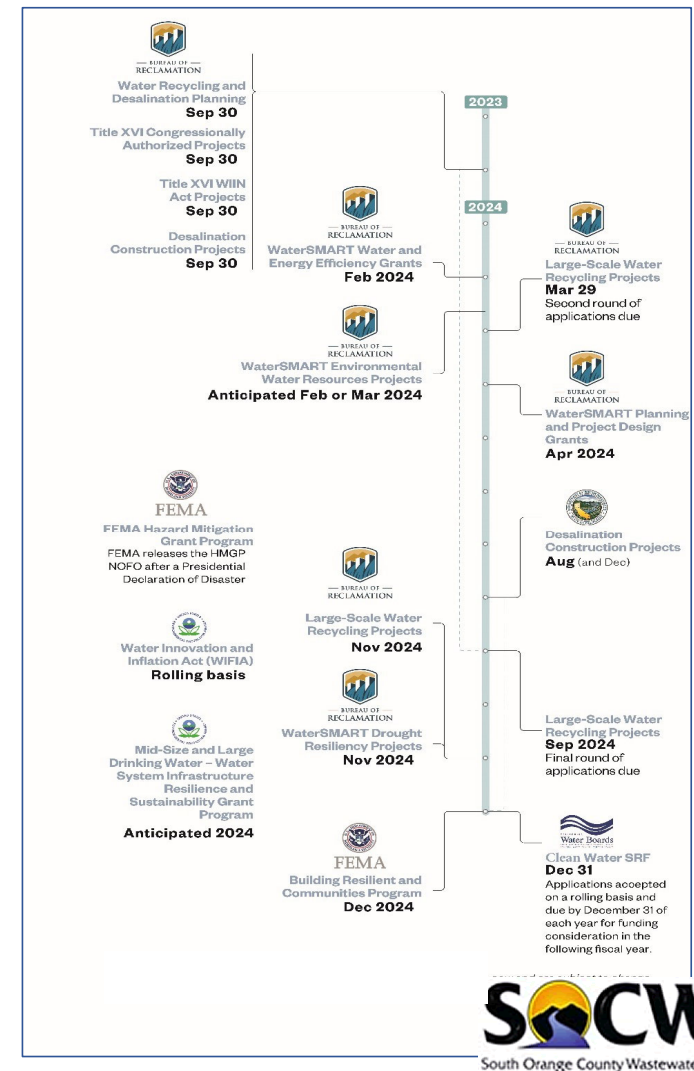
The Coastal Treatment Plant – Resiliency and Water Quality Improvements

Funding Strategy Overview



Funding Sources Evaluated

- US Environmental Protection Agency (EPA)
 - Waster Infrastructure Funding Act (WIFIA) - loan
 - Mid-size and Large Water Infrastructure Program – grant
- State Water Resources Control Board (SWRCB)
 - State Revolving Fund (SRF) - loan
- US Bureau of Reclamation (Reclamation)
 - Water Smart WIIN Act and Title XVI - grant
 - WaterSmart Drought, Energy & Environment - grant



Identifying and Evaluating Funding Alternatives

1. Identify applicable funding alternatives
2. Evaluate each applicable alternative, as informed by project-specific constraints
3. Compare proportional total cost, cashflow, risks and benefits
4. Provide preliminarily recommendations on alternatives that appear most viable/attractive
5. Develop implementation plan



Funding Sources Identified (page 1)

Agency	Funding Program	Maximum Award	NOFO Release Date	2024 Submittal Due Date	Description	Agency Requirements	Eligible Project Types
United States Environmental Protection Agency	Grant: Midsize and Large Drinking Water Systems Infrastructure Improvement Grant & Sustainability Program	\$5,000,000	Anticipated release in 2024	Not posted	This grant program assists medium and generous size public water systems with protecting drinking water sources from natural hazards	All public water systems that serve a community with a population of 10,000 or more. 50% of the program's appropriation will go to public water systems that serve a population of between 10,000 and 100,000, and 50% of the program's appropriation will go to public water systems that serve a population 100,000 or more.	Planning, design, construction, implementation, operation or maintenance projects that have a goal of enhancing drinking water system resilience
	Loan: Water Infrastructure Finance and Innovation Act (WIFIA)	Total project cost must be >\$20,000,000.	Rolling Basis	Rolling Basis	The Water Infrastructure Finance and Innovation Act of 2014 (WIFIA) established the WIFIA program, a federal credit program administered by EPA for eligible water and wastewater infrastructure projects.	Minimum Project Size for WIFIA is \$20 million	Projects that are eligible for Drinking Water SRF
						Federal Crosscutters apply	Energy efficiency projects at drinking water and wastewater facilities
						51% cost share from non-federal source	Brackish or desalination, aquifer recharge, alternative water supply and water recycling projects
						Two part application process	Drought prevention reduction or mitigation
State Water Resources Control Board	Loan: Clean Water SRF	>\$100,000,000	Rolling Basis	Dec-24	Treatment facilities, nonpoint source projects, and estuary projects. Projects wastewater treatment	Federal Crosscutters apply. Preference given to Disadvantaged Communities. Interest rate is half of the most recent General Obligation Bond Rate.	Regionalization of wastewater service, water quality programs (e.g., emerging contaminants), onsite wastewater system upgrades, recycled water reuse, water conservation and promotion of low impact development
Federal Emergency Management Agency	Grant: Hazard Mitigation Grant Program (HMGP)	\$5,000,000	Following a Presidential Declaration of Disaster	TBD		FEMA approved hazard mitigation plan & 25% non-federal cost share	Development of a Hazard Mitigation Plan
	Grant: Building Resilient Infrastructure and Communities (BRIC)	\$50,000,000	Jun-24	Dec-24	BRIC releases its Notice of Funding Opportunity through DEMA, usually around June of each year.	Reduces risk from hazards and demonstrates the cost of the project is greater than the cost of catastrophic loss of the facility.	Harden or rehabilitate infrastructure to reduce hazard risk to critical facilities, people & property (e.g., drought, flooding, wind, extreme heat)
						FEMA approved hazard mitigation plan, federal cross-cutter compliance & 25% cost share	Phased projects which include design, environmental compliance and construction
						Reduces risk from hazards and demonstrates the cost of the project is greater than the cost of catastrophic loss of the facility.	Harden or rehabilitate infrastructure to reduce hazard risk to critical facilities, people & property (e.g., drought, flooding, wind, extreme heat)
						Incorporation of nature-based solutions and partnerships	Phased projects which include design, environmental compliance and construction
United States Bureau of Reclamation	Grant: WaterSMART Water and Energy Efficiency Grants	\$5,000,000	12-Nov-23	28-Feb-24	On-the-ground water management improvement projects, including projects that conserve water and address water supply reliability.	Applicants must have a Drought Management Plan, a Water Conservation Plan or both. 50% cost share from non-federal source.	Water Conservation (e.g., Turf replacement, irrigation efficiency, and commercial cooling systems).
	Grant: WaterSMART Drought Resiliency Projects	\$5,000,000	7-Aug-23	30-Sep-24	This program will provide funding for projects that will help communities prepare for and respond to drought.	Applicants must have a Drought Management Plan, a Water Conservation Plan or both. 50% cost share from non-federal source.	Develop and update drought plans and implement projects that will build long-term resiliency to drought
	Grant: WaterSMART Environmental Water	\$3,000,000	Mar-24	5/30/2024	Projects focused on environmental benefits and that have been developed as part of a collaborative process to help conduct an established strategy to	Applicants must have a Drought Management Plan, a Water Conservation Plan or both. 50% cost share from non-federal source.	Water supply drought resilience projects with a co-benefit of addressing an environmental issue (i.e., active stream or wetland restoration, instream water dedication, and riparian habitat improvements.

Funding Sources Identified – page 2

Agency	Funding Program	Maximum Award	NOFO Release	2024 Submittal Due Date	Description	Agency Requirements	Eligible Project Types
United States Bureau of Reclamation (Continued)	Grant: WaterSMART Planning and Project Design Grants	\$400,000	7-Aug-23	Apr-24	Funding for the site-specific final design of medium and large-scale on-the-ground water supply construction, water management construction, and restoration projects. This funding can be used to develop a WIN Act/Title XVI Feasibility Study.	Applicants must have a Drought Management Plan, a Water Conservation Plan or both. 50% cost share from non-federal source.	Funding for planning and design projects to support water management: (1) Water Strategy Grants to conduct planning activities to improve water supplies (e.g., water supplies to disadvantaged communities, water marketing, water conservation, drought resilience, and ecological resilience); (2) Project Design Grants to conduct project-specific design for projects to improve water management; and (3) Drought Contingency Plans.
	Grant: WaterSMART Water Recycling and Desalination	#####	27-Sep-23	29-Mar-24	Water recycling and desalination are essential tools for stretching limited water supplies in the Western United States. Reclamation provides cost-shared funding on a	Applicant must have a Congressionally Authorized Feasibility Study and Report approved by Reclamation. 50% cost share	Water recycling desalination projects
	Grant: WaterSMART Large-Scale Water Recycling Project	< \$180,000,000	6-Sep-23	1-Nov-24	The program will provide \$450 million over the next five years to projects in Reclamation states that have a total project cost greater than or equal to	Applicant must have a Congressionally Authorized Feasibility approved by Reclamation. 75% cost share	Water recycling and reuse projects that have a total project cost >\$500,000,000
	Grant: WaterSMART Title XVI Congressionally Authorized Projects	< \$20,000,000 unless otherwise specified by Congress.	28-Sep-23	30-Sep-24	Up to \$20 Million unless otherwise specified by Congress.	Applicant must have a Congressionally Authorized Feasibility Study approved by Reclamation. 50% cost share	Project identified in the approved and authorized feasibility study
	Grant: WaterSMART: Water Reclamation and Reuse	< \$30,000,000	28-Sep-23	1-Nov-24	Through the Title XVI Water Reclamation and Reuse Program (Title XVI), authorized by P.L. 102-575 in 1992.	Must have a Congressionally Authorized Feasibility Study approved by Reclamation or one that has been submitted for review 75% cost share	Water reclamation and reuse
Non-Government Organization (NGO)							
Non-governmental organization (NGO)	Private Philanthropic Funding: Walton Family Foundation	TBD	N/A	N/A	The Foundations Environment [Initiative] strategy seeks lasting water solutions in three key geographies: the Colorado River Basin, the Mississippi River Basin, and our Oceans. Our goal is to make sure there is enough	The Walton Family Foundation does not accept unsolicited proposals.	To be discussed & determined through a collaborative process with WFF.

DEPARTMENT OF ENERGY

Connected Communities Funding Program

- **Funding Announcement (FOA) has not been released for federal FY 24/25**
 - Expanding DOE's network of grid-interactive, efficient building communities nationwide. These communities interact with the electrical grid to optimize their energy consumption, which will reduce their carbon emissions and cut energy costs.

WATER: Strategies to Increase Hydropower Flexibility

- **2023/2024 FOA was released in November, with a concept paper due date of 2/9/2024. DOE has stated that they intend to release another FOA in November**
- **Grants for three primary areas:**
 - Demonstrating hydropower hybrid configurations, such as a hydropower facility paired with another type of generation or with an energy storage resource.
 - Advancing technology innovations to improve the flexible capabilities of the U.S. hydropower fleet.
 - Quantifying the flexible capabilities of hydropower and advance operational strategies to better serve an evolving electric grid

WASTE: Waste Analysis and Strategies for End-Uses

- **FOA has not been released for federal FY 24/25. DOE has stated an Intent to issue FOA with no dates given**
- Planning and strategies for utilizing organic waste as a feedstock for various transportation fuel end products. For many communities, organic waste streams present a variety of economic, environmental, and social sustainability challenges. These waste streams include food waste, municipal wastewater sludges, animal manure, fats, oils, and greases.



Criteria used for evaluation funding sources

- Loan or grant is > \$1,000,000
- Alignment with CTP Resiliency and Water Improvement program goals
- Timing of grant/loan application window
- Risk/Opportunities by source

Applicable Sources of Infrastructure Funding
Federal
American Rescue Plan Act – State and Local Fiscal Recovery Funds
Bipartisan Infrastructure Law (BIL)
Department of Energy (DOE) Grants
Federal Emergency Management Agency (FEMA) Grants
EPA – Water Infrastructure Financing and Innovation Act (WIFIA)
EPA – Water & Climate Resiliency Grants
Inflation Reduction Act (IRA)
US Bureau of Reclamation (Reclamation) -WaterSmart Grants
State
CA State Drinking Water Revolving Fund (DWSRF)
CA Department of Water Resources

Overview of Funding Recommendations

EPA Programmatic WIFIA

- **Why:** Can develop a programmatic agreement that each agency can decide how much/how little to obligate
 - *Provides 49% of total project cost*
 - *Money available*
 - *No disadvantage community REQUIREMENT (thought points are given to Justice 40 area)*

EPA Midsize and Large Water Infrastructure Upgrades (NOFO not released until spring 2024)

- **Why?** Funding goals align with CTP Resilience and Water Quality Improvement Program goals
 - *Large grant maximum for infrastructure projects*
 - *Justice 40 will need to be considered, but not a requirement*

FEMA HMGP or BRIC

- **Why?** Funding goals align with CTP Resilience and Water Quality Improvement Program goals
 - *Large grant maximum for infrastructure projects*
 - *Justice 40 will need to be considered, but not a requirement*

US Reclamation

- **Why?** Most agencies have a Drought Management Plan
 - *For Reuse, Recycle or Desalination should consider applying for a planning grant for congressional authorization or for design that is included in Drought Management Plans*
 - *Project start not until late 2024 or early 2025*



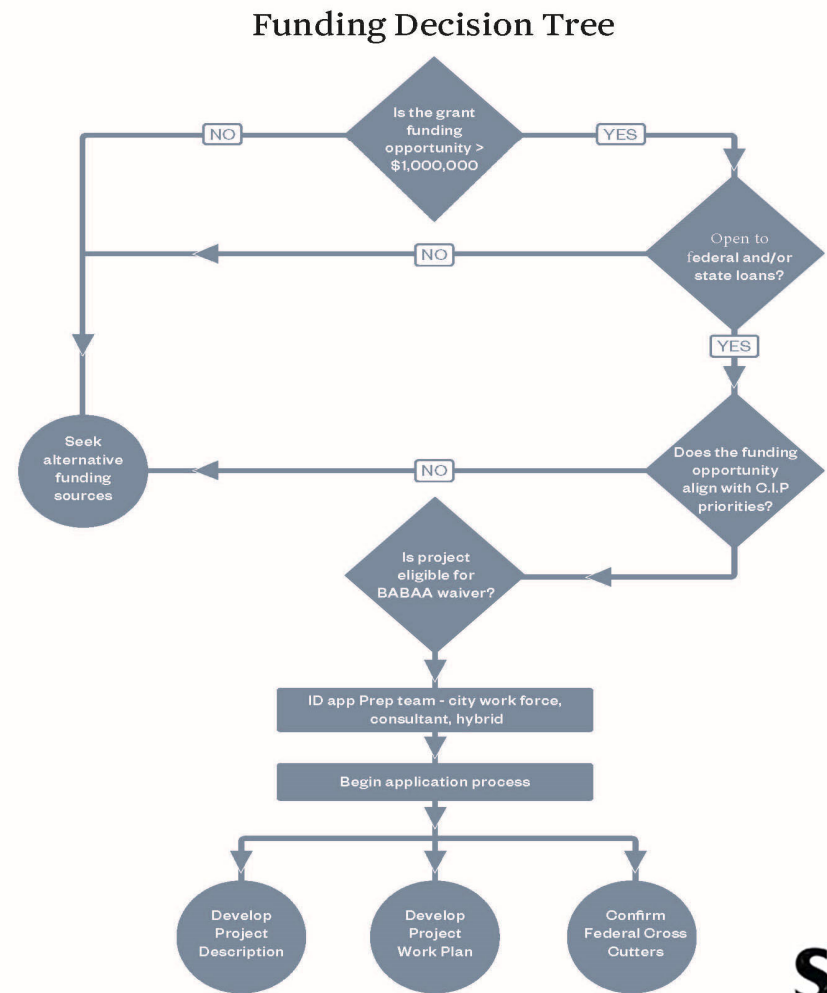
FEMA



— BUREAU OF —
RECLAMATION



Decision Tree

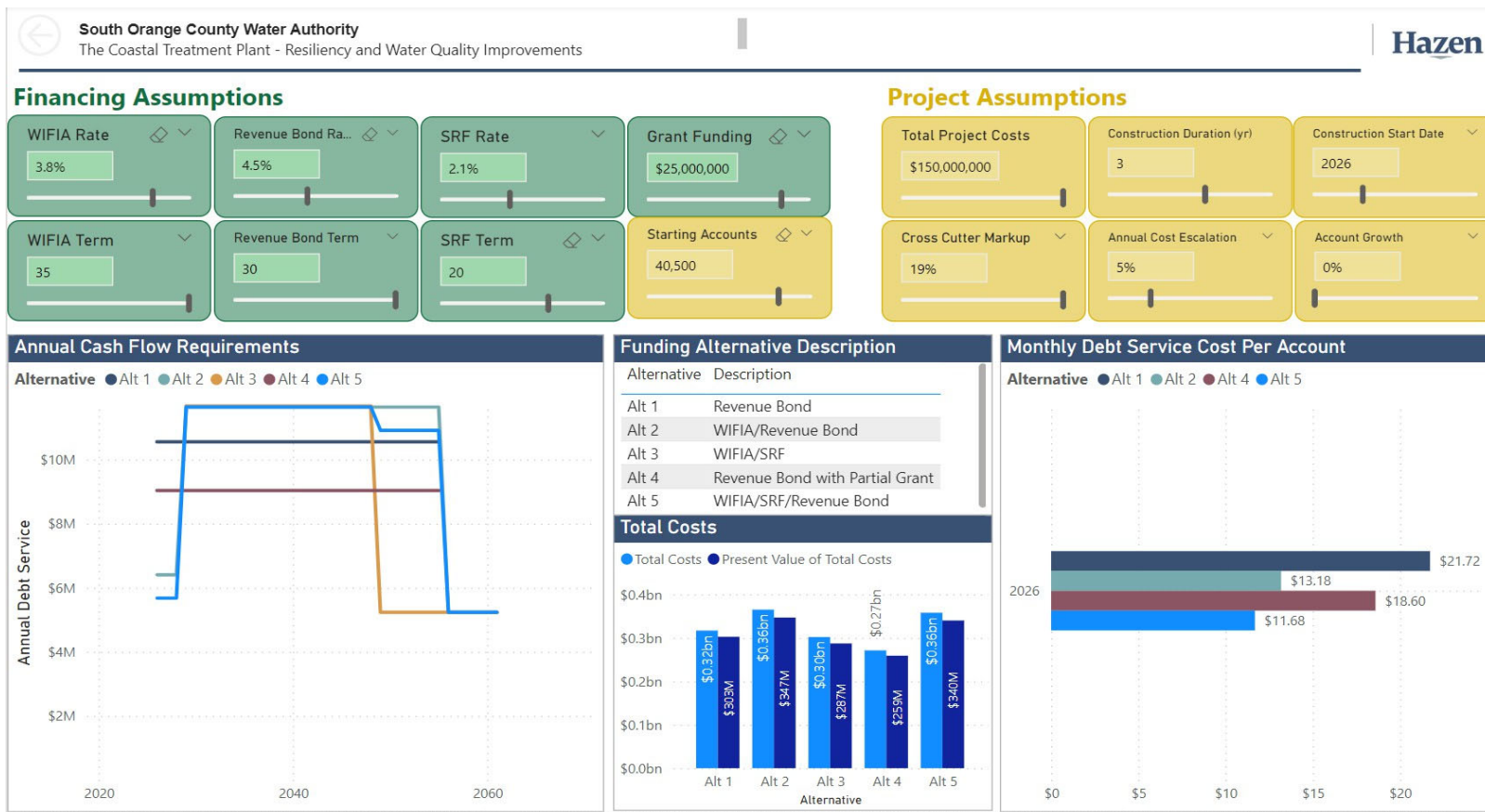


1st Decision Point (Yes/No)
2nd Decision Point - Identify Project
Grant Proposal Task #1 & Board/City Council Decision
Grant Proposal Task #2 - Formal Project Description & Data Needs Finalized
Grant Proposal Task #3 - Write and Submit Grant
Agency Review and/or Request for Information
Potential Agency Notice of Award - Subject to Change

2024 Look Ahead Schedule

[illegible]

Project Cost and Rate Dashboard



Funding Progress Dashboard



Next Steps

Agenda Item

5.J.

Board of Directors Meeting

Meeting Date: April 4, 2024

TO: Board of Directors

FROM: Jim Burror, Acting General Manager/Director of Operations

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Resolution No. 2024-03 – A Resolution of the Board of Directors of the South Orange County Wastewater Authority Adopting Investment Policy for Public Funds, based on the Annual Review

Summary

As directed by the Board, the General Manager and Finance Controller are to review the policy annually and recommend any revisions necessary. In preparation for the 2024-2025 Fiscal Year Budget, staff has completed the review and evaluation of the Investment Policy for Public Funds and suggests one minor revision.

As noted in the Exhibit reference, the 2017-09 Policy noted that the LAIF investment policy had a cap of \$40 million. As of January 1, 2020, the LAIF cap has been raised to \$75 million.

STATUTORY CHANGES FOR LOCAL FUNDS

Chapter 187, Statutes of 2023 (SB 882), Local Government Omnibus Act of 2023, amended Government Code section 53601 to clarify limitations imposed on public investment in a privately issued mortgage passthrough security, collateralized mortgage obligation, mortgage-backed or other pay-through bond, equipment lease-backed certificate, consumer receivable passthrough certificate, or consumer receivable-backed bond ("mortgage pass-through and asset-backed securities") that are not issued or guaranteed by a public agency or issuer identified in subdivision (b) or (f). These types of securities, issued by private companies, are permissible investments under subdivision (o) so long as they meet the following limitations: 1) rated in a rating category of "AA" or its equivalent or better; 2) have a maximum remaining maturity of five years or less; and, 3) do not exceed the 20% of the local agency's portfolio.

FEDERAL AND REGULATORY CHANGES

No changes.

OTHER CHANGES

The California 2024 Local Agency Investment Guidelines included guidance to help a local agency determine what funds are available for investment and what funds to include when calculating portfolio concentration limitations. The Guidelines also included guidance on the new rules regarding the use of mutual funds and money market funds and now include statements regarding the impermissibility of exchange-traded funds (ETFs) for public investment portfolios.

Recommended Action: The Finance Committee recommends that the Board of Directors approve Resolution 2024-03: A Resolution of the South Orange County Wastewater Authority (SOCWA) Adopting Investment Policy for Public Funds, based on the annual review.

Attachments: Draft 2024 Investment Policy For Public Funds

RESOLUTION NO. 2024-03

**A RESOLUTION OF THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA)
ADOPTING INVESTMENT POLICY FOR PUBLIC FUNDS**

WHEREAS, the South Orange County Wastewater Authority (SOCWA) was created on July 1, 2001 as a Joint Powers Authority under the laws of the State of California; and

WHEREAS, pursuant to Government Code Section 53646, the General Manager of SOCWA may annually render to the legislative body of the local agency a Statement of Investment Policy; and

WHEREAS, the SOCWA Board of Directors desires to update the previous Investment Policy for Public Funds approved via Resolution 2017-09 and repeal and replace same; and

WHEREAS, pursuant to Government Code Section 53646, the General Manager of SOCWA may report either monthly or quarterly to the Board of Directors as to the type of investment, issuer, institution, date of maturity, amount of deposit, current market value for all securities and rate of interest; and

WHEREAS, the SOCWA Board of Directors desires that the required report be prepared to report in monthly cycles.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of the South Orange County Wastewater Authority ("SOCWA") that the Investment Policy, as described in Exhibit "A" attached hereto and incorporated herein by reference as though fully set forth, is hereby adopted as the Investment Policy of SOCWA and further, that the General Manager accomplish the annual and monthly statements and reports provided for in this Resolution in accordance with California Government Code Section 53646.

FURTHER, Resolution 2017-09 is hereby repealed.

ADOPTED, SIGNED, and APPROVED this 4th day of April 2024.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

BY: _____
Chairperson

BY: _____
Secretary

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, James L Burror Jr, 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. 2024-03** of said Board and that the same has not been amended or repealed.

Dated this 4th day of April 2024.

James L. Burror, Jr., Board Secretary
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

Investment Policy For Public Funds



 <small>South/Central Water Authority</small>	POLICY NUMBER 201724-0904XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017 April 4, 2024	

TABLE OF CONTENTS

1. Purpose of Policy
2. Objective
3. General Policy
4. Delegation of Authority
5. Ethics and Conflicts of Interests
6. Authorized Financial Institutions
7. Safekeeping and Custody
8. Reporting Guidelines
9. Policy Revisions
10. Policy Approval and Adoption

	POLICY NUMBER 20 17 24 -0904 XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017 April 4, 2024	

1. PURPOSE OF POLICY

This statement is intended to provide guidelines to the Agency General Manager for the prudent investment of the South Orange County Wastewater Authority's ("SOCWA") available funds, and to outline policies for the safe and prudent management of SOCWA funds without sacrificing safety or liquidity. The Finance Committee will review this Policy annually, and if advisable, will recommend changes for approval of the Board of Directors.

2. OBJECTIVE

SOCWA's cash management system is designed to accurately monitor and forecast expenditures and revenues. All funds will be invested with the intent of maximizing safety and liquidity.

3. GENERAL POLICY

SOCWA invests member agency funds deposited with SOCWA in accordance with the prudent investor standard, Government Code Section 53600.3, which states:


"When investing, reinvesting, purchasing, acquiring, exchanging, selling or managing public funds, a trustee shall act with care, skill, prudence and diligence under the circumstances then prevailing, including but not limited to the general economic conditions and the anticipated needs of the agency, that a prudent person acting in a like capacity and familiarity with those matters would use in the conduct of funds of a like character and with like aims, to safeguard the principal and maintain the liquidity needs of the agency. Within the limitations of this section and considering individual investments as part of an overall strategy, investments may be acquired as authorized by law."

As long as the investment complies with the aforesaid standard and is allowable under current statutes of the State of California (Government Code Section 53600 et seq.), SOCWA has a range of investment opportunities.

Investments may be made in the following:

(See Attachment A-1)


The list of permitted investments under Attachment A-1 does not include all of those which are permitted under the California Government Code; rather this list includes the securities which are most appropriate to SOCWA. Specific limitations on these investments are specified.

 South Orange County Waterside Authority	POLICY NUMBER 201724-0904XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017April 4, 2024	

Criteria for selecting investments and order of priority are:

- a) **Safety.** The Safety and risk associated with an investment refer to the potential loss of principal, interest, or a combination of these amounts. SOCWA only operates in those investments that are considered very safe.
- b) **Liquidity.** This refers to the ability to "cash in" at any moment in time with a minimal chance of losing some portion of principal or interest. Liquidity is an important investment quality especially when the need for unexpected funds occurs.
- c) **Yield.** Yield is potential dollar earnings an investment can provide, and sometimes is described as the rate of return.
- d) **Safekeeping.** Securities purchased from brokers/dealers shall be held in third party safekeeping by that trust department of the local agency's bank or other designated third party trust, in local agencies name and control whenever possible.
- e) **Investment objective.** The cash management system of SOCWA is designed to accurately monitor and forecast expenditures and revenues, thus insuring the investment of monies to the fullest extent possible. SOCWA attempts to obtain the highest interest yields possible as long as investments meet the criteria required for safety and liquidity.
- f) **Maximum Secured Investment.** SOCWA may invest in Certificates of Deposit up to a maximum amount of \$250,000 per institution. SOCWA will rely on the FDIC \$250,000 insured limit to obtain security on the invested funds and will request that interest earned be paid monthly, in order to reduce the risk of loss interest.
- g) Should premature cancellation of an investment vehicle (under Attachment A-2) become necessary, the General Manager shall consult with either the Finance Committee, the Finance Committee Chairman, or the Board Chairman as time allows and determine the appropriate action to ensure the safety of SOCWA deposits. The SOCWA Finance Committee will be notified as soon as possible of the steps taken.

All member agency funds, to be invested, will be held in the California State local Agency Investment Fund (LAIF) unless the General Manager is instructed by the Finance Committee to invest in the investment vehicles listed in Attachment A-2. Staff would then present proposals to the Finance Committee, outlining the specifics of any investments to be made that meet the requirements of this policy. Upon approval, from the Finance Committee, investments will be made as soon as funds can be transferred. Any changes to investments approved by the Finance Committee will be reported to the Board of Directors at the next meeting of the Board of Directors.

 South Ocean County Waterkeeper Authority	POLICY NUMBER 201724-0904XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017 April 4, 2024	

4. DELEGATION OF AUTHORITY

Authority to manage SOCWA's investment program is derived from the approval of Resolution No. 2017-08 Adopting Investment Policy for+ Public Funds. Management responsibility for the program is hereby delegated to the General Manager of SOCWA who, pursuant to the approved terms under this Policy, has established investment program procedures and span of control requirements for staff. No person may engage in an investment transaction except as provided under the terms of this policy.

Broker/Dealers will be avoided whenever possible, unless specifically authorized by the Finance Committee.

5. ETHICS AND CONFLICTS OF INTERESTS

Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with proper execution of the investment program, or which could impair their ability to make impartial investment decisions. Employees shall disclose to the General Manager any material financial interests in financial institutions that conduct business within the SOCWA jurisdiction, and they shall further disclose any personal financial/investment positions or interests related to the performance of the SOCWA's portfolio. Employees and officers shall subordinate their personal investment transactions to those of SOCWA, particularly with regard to the time of purchases and sales. These requirements are in addition to other conflict of interest rules that may otherwise apply.

6. AUTHORIZED FINANCIAL INSTITUTIONS


No public deposits shall be made except in a qualified public depository as established by state law. No Certificate Deposit shall be placed with any institution unless such deposit is FDIC insured.

7. SAFEKEEPING AND CUSTODY

All security transactions entered into by the SOCWA shall be conducted on a delivery-versus payment (DVP) basis. A third-party custodian designated by the General Manager and evidenced by safekeeping receipt will hold securities.

8. REPORTING GUIDELINES

In accordance with Government Code 53646, the General Manager shall submit to the Board of Directors a monthly investment report. The report shall include a complete description of the portfolio including: the type of investments, the issuers, maturity dates, par values and the current market values of each component of the portfolio. The report will also include the source of the portfolio valuation (with the exception of LAIF). As specified in Government Code 53646(e), if all funds are placed in the State LAIF or FDIC-insured accounts, copies of the latest statements from such institutions may be provided in lieu of the foregoing report

 South Orange County Watermaster Authority	POLICY NUMBER 201724-0904XX
Agency Policy	Title: Investment Policy for Public Funds
Revised: December 7, 2017 April 4, 2024	

elements. The report must also include a certification that (1) all investment actions executed since the last report have been made in full compliance with this Policy, and (2) SOCWA will meet its expenditure obligations for the next six months, or provide an explanation as to why money monies shall or may not be available. The General Manager shall maintain a complete and timely record of all investment transactions.

9. POLICY REVISIONS

This Policy will be reviewed annually by the General Manager and the Finance Controller in consultation with the Agency's legal counsel and the Finance Committee. Updates to the Attachments, A-1 and A-2 will occur whenever applicable federal, state or local regulations change or otherwise as the need arises. This Policy may only be revised by the Board of Directors.

10. POLICY APPROVAL AND ADOPTION

This Policy has been reviewed by the SOCWA Board of Director's and adopted by Resolution 2017-08 on December 7, 2017.

EXHIBITA-1

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
INVESTMENT POLICY - ~~November 2, 2017~~ April 4, 2024

Type of Investment	Major Provisions	Additional Restrictions imposed by SOCWA
Local Agency investment Fund (LAIF)	Permits a local agency to deposit funds with the State Treasurer for the purpose of investment in securities prescribed in Government Code Section 16430. (Government code Section 16429.1 et seq.)	None. Note: Current maximum deposit set by LAIF is \$40 -75 million dollars.
Passbook Savings Account Demand Deposits	Savings in federally insured Banks and Thrifts insured by the FDIC. All funds exceeding \$250,000.00 at any time must be collateralized according to state statutes.	None.

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ExhibitA-2
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
INVESTMENT POLICY - ~~November 2, 2017~~April 4, 2024

Type of Investment	Major Provisions	Additional Restrictions imposed by SOCWA
Negotiable Certificate of Deposits	Permits a local agency to deposit funds in certificates of deposit in accordance with the requirements of Government Code 53601(i)	In compliance with Statute.
U.S. Treasury Notes	Permits a local agency to deposit funds in U.S. Treasury Notes in accordance with Government Code Section 53601(b)	In compliance with Statute.
Other Joint Powers Agency Investments	Permits a local agency to deposit funds with Other California Joint Powers Agency Investment programs in accordance with Government Code Section 53601(p)	In compliance with Statute.

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Agenda Item

6.A.

Board of Directors Meeting

Meeting Date: April 4, 2024

TO: Board of Directors

FROM: Jim Burror, Acting General Manager/Director of Operations

STAFF CONTACT: Roni Grant, Associate Engineer

SUBJECT: J. B. Latham Treatment Package B Construction Management
Post-Construction Contract [Project Committee 2]

Overview

The construction for the Package B Project at the J.B. Latham Plant (JBL) has been completed since February 2023. However, there are outstanding items related to extended overhead and delays claims which will require Butier Engineering's (Butier's) assistance in order to close the contract out.

The as-needed claims and contract services include the following:

- Attend meet and confer meetings
- Attend non-binding mediation meetings
- Time impact analysis assistance, support, and assessment services
- Contract closeout

Butier proposed a total fee of \$176,125 to support the post-construction effort until September 2024.

Cost Analysis

The post-construction contract will be funded by the JBL Facility Improvements B – Common Upgrades Construction (3231-000) and has a budget of \$200,000 for the 23/24 Fiscal Year. Table 1 shows the allocation of costs by member agency.

Table 1 – Cost Allocation by Member Agency (3231-000)

Agency	Cost
Moulton Niguel Water District	\$39,362.18
Santa Margarita Water District	\$93,747.82
South Coast Water District	\$43,015.00
Total	\$176,125.00

Recommended Action: Staff recommends that the PC 2 Board of Directors approve the contract to Butier Engineering for a total of \$176,125 for the JBL Package B Construction Management Post-Construction Contract.

March 26, 2024

Ms. Jeanette Cotinola
Procurement/Contract Manager
South Orange County Wastewater Authority
34156 Del Obispo St,
Dana Point CA 92629

Subject: Butier Engineering, Inc.: Construction Management Services Contract Request for
JBLTP Package 'B' Improvements Project.
Post Construction Claims Assistance Services

Dear Ms. Cotinola,

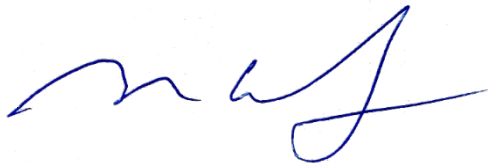
Butier Engineering respectfully requests a Construction Management Services Contract Amendment in the amount of \$176,125.00 to perform our contract scope of services on the subject project through Sept 2024.

We intend to provide claims assistance services as needed and related in the below services description spreadsheet thru Sept of 2024 on an as-needed basis for Claims Support. This staffing approach will be updated monthly and commensurate with activity.

If you have any questions regarding our request, please direct them to me for clarification at (714) 832-7222.

Task Name		Project Engineer	Project Administration	Scheduling and Claims	Total Proposed Cost
Rates		\$ 155.00	\$ 75.00	\$ 225.00	
Units	Hours				
JBLTP Package 'B' Improvements Construction Mangement Services					
CM Staffing for Contract Closeout					
Bryan M. Wilson	5				\$ 775.00
Acxel M. Gutierrez	4				\$ 300.00
				Subtotal	\$ 1,075.00
CM Staffing for Claims Review Jul - Feb 2024					
Casey Harris	248			190	\$ 55,800.00
				Subtotal	\$ 55,800.00
CM Staffing for Claims Review Future					
Casey Harris	530			190	\$ 119,250.00
				Subtotal	\$ 119,250.00
				CM Services Total	\$ 176,125.00

Respectfully Yours,



Mark Butier Jr.
Butier Engineering, Inc.
Construction Managers, Consulting Engineers

Agenda Item

7.C.

Board of Directors Meeting

Meeting Date: April 4, 2024

TO: Board of Directors
FROM: Jim Burror, Acting General Manager/Director of Operations
SUBJECT: Acting General Manager's Status Report

ADMINISTRATION

Member Agency Requests

The General Manager is directed, as of the May 10, 2022, Executive Committee Meeting, to include a summary of Member Agency Requests in the GM Report. The following requests of SOCWA staff have been received and responded to:

- SMWD made two requests for data and engineering plans for JBL regarding their proposed AWT project.
- At the February and March Finance Committee meetings, agencies requested that specific administration budget items be reviewed at upcoming Finance Committee meetings.
- ETWD, MNWD, and SCWD staff requested meetings with the SOCWA's Acting General Manager and Associate Engineer to review the proposed CIP.
- The City of Laguna Beach requested a tour of CTP for their City Counsel.
- EBSD requested a temporary construction staging area at CTP to store equipment until their pump station project starts this summer.
- MNWD requested a meeting with SOCWA staff regarding SOCWA's request for an additional staff person in the Environmental Compliance Department for FY 2024-25.

ENVIRONMENTAL COMPLIANCE/ OPERATIONS/ENGINEERING

CASA Regulatory Workgroup 2024/25 Priorities

SOCWA staff engaged in the annual regulatory retreat that CASA and East Bay Municipal District hosted at the Pardee Reservoir. Representatives across California, representing the regulatory interests of the wastewater sector, discussed items that will be the priorities for biosolids, water quality, and cross-media issues. The following list details those priority items:

Biosolids:

- PFAS
- Short-Lived Climate Pollutants
- Microplastics

Water Quality:

- Recycled Water

- Coastal Nutrients
- Inland Nutrients
- Clean Water State Revolving Fund
- PFAS
- Integrated Report & 303(d) list
- Microplastics
- Exfiltration

Cross Media Issues:

- PFAS
- Microplastics
- Nitrous Oxide and Methane Emissions

H.R.7023 - Creating Confidence in Clean Water Permitting Act

An amendment to the Creating Confidence in Clean Water Permitting Act, H.R. 7023, was approved and referred to the U.S. Senate by the U.S. House of Representatives. The amendment would authorize the U.S. EPA and the SDRWQCB to issue NPDES permits for up to 10 years. Today, SOCWA's NPDES permits for the ocean outfalls are only valid for up to 5 years.

SARBS and CWEA Awards

In March, two staff members received top awards from the Santa Ana River Basin Section or the California Water Environment Association. Katie Greenwood was recognized as the Pretreatment, Pollution Prevention & Stormwater (P3S) Person of the Year. Phil Peters was recognized as the Mechanic of The Year.

Further, the California Water Environment Association will be recognizing our local winners as part of CWEA's statewide competition. Katie will receive third place in P3S, and Phil will receive second place.