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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*

December 12, 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. 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
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South Orange County Wastewater Authority
Board of Directors Meeting
December 12, 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.

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5. CONSENT CALENDAR

A. Minutes of Board of Directors.....1

- Board of Directors Special Meeting of November 7, 2024

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

B. Minutes of Executive Committee.....6

- Executive Committee Meeting of November 13, 2024

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

C. Minutes of Engineering Committee8

- Engineering Committee Meeting of November 7, 2024

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

D. Minutes of Finance Committee12

- Finance Committee Meeting of August 20, 2024

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

E. October 2024 Operations Report.....16

1. Monthly Operational Report
2. SOCWA Ocean Outfall Discharges by Agency
3. Beach Ocean Monitoring Report
4. Recycled Water Report
5. Pretreatment Report (November)

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ACTION	The Board will be requested to receive and file subject reports as submitted.	
F.	Capital Improvement Program Status Report (November).....	57
ACTION	Information item.	
G.	Capital Improvement Construction Projects Progress and Change Order Report (November) [Project Committees 2, 15 and 17]	61
ACTION	Information item.	
H.	Finance Reports for the Month of September 2024 & Cash Disbursements for the Months of July 2024, August 2024, & September 2024	65
ACTION	The Finance Committee recommends that the Board of Directors (i) receive and file the September 2024 Financial Reports, (ii) ratify the July 2024 disbursement for the period from July 1, 2024, through July 31, 2024, totaling \$5,130,733, (iii) ratify the August 2024 Disbursement for the period from August 1, 2024, through August 31, 2024, totaling \$2,156,406, and (iv) ratify the September 2024 Disbursement for the period from September 1, 2024, through September 30, 2024 totaling \$1,865,535.	
I.	Final Use Audit, FY 2023-24 Budget vs. Actual (Separate Cover)	85
ACTION	The Finance Committee recommends that the Board of Directors approve the FY 2023-24 Use Audit.	
J.	Annual Financial Statements and Independent Audit for Fiscal Years Ending June 30, 2024, and 2023 (Separate Cover).....	86
ACTION	The Finance Committee recommends that the Board of Directors approve the Annual Financial Statements and Independent Audit for Fiscal Years Ending June 30, 2024, and 2023.	
K.	Executive Committee Bylaws Update	173
ACTION	Staff recommends that the Board of Directors approve the updated Executive Committee Bylaws.	

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- L. South Orange County Integrated Water Management Plant (IRWM) Special Appointment of Executive Committee Members 178
- ACTION Staff recommends that the Board of Directors:
1. Appoint Amber Boone as the alternate representative on the South Orange County Integrated Water Management Plan (IRWM) Executive Committee, and
 2. Rescind all previous alternate appointments to represent SOCWA on the South Orange County (IRWM) Executive Committee.
- M. Operational Contracts for MNWD to Operate RTP 179
- ACTION Staff recommends that the Board of Directors authorize the Acting General Manager the authority to amend, assign, cancel, or otherwise modify active contracts SOCWA uses to operate and maintain RTP in a form to be approved by General Counsel, to allow MNWD to operate and maintain RTP without disruption.
- N. Replacement Grinding Pumps [Project Committee 15] 181
- ACTION Staff recommends that the PC 15 Board of Directors authorize the Acting General Manager to purchase replacement grinder pumps for the CTP from JWC Environmental, Inc. at the cost of \$52,014.00, plus supplemental taxes, shipping and fees to be determined at the time of shipping.
- O. Contract Extension Award to Athens Services for Grit Hauling and Disposal Services [Project Committees 2, 15, and 17]..... 182
- ACTION Staff recommends the award of a 1-year contract extension to Athens Services for Grit Hauling and Disposal Services at the following rates, plus taxes and surcharges for single bin deliveries that are determined when services are rendered.
- P. Updated Uniform Purchasing Policy 185
- ACTION Staff recommends that the SOCWA Board of Directors approve the Uniform Purchasing Policy.
- Q. CalPERS Compensation Compliance Update 198
- ACTION Staff recommends that the SOCWA Board of Directors approve the updated Exhibit “B” Salary Schedule for July 1, 2023, and July 1, 2024.

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6. ENGINEERING MATTERS

- A. Coastal Treatment Plant (CTP) Aeration Blower System Upgrades Final Design
[Project Committee 15]203

ACTION The Engineering Committee recommends that the PC 15 Board of Directors i) add \$400,000 to the CTP Aeration Blower System Upgrades project budget, for a total amended budget of \$475,000, ii) approve a contract with Carollo Engineers for a total of \$447,584, and iii) approve a project contingency of \$27,416 to cover potential unknown issues during design.

- B. Contract Award for Coastal Treatment Plant (CTP) Auxiliary Blower Building Roof
[Project Committee 15]247

ACTION The Engineering Committee recommends that the PC 15 Board of Directors i) add \$40,000 to the CTP Auxiliary Blower Building Roof budget, for a total amended budget of \$140,000, ii) approve a contract with Best Contracting Services for a total of \$123,430, and iii) approve a contract contingency of \$16,566 for unknown issues discovered during construction.

- C. Contract Award for Coastal Treatment Plant (CTP) Personnel Building Sewer Rehabilitation [Project Committee 15].....305

ACTION The Engineering Committee recommends that the PC 15 Board of Directors i) approve a contract with T.E. Roberts for a total of \$78,165 and ii) approve a contract contingency of \$7,817 for unknown issues discovered during construction.

- D. Contract Award for J.B. Latham Treatment Plant (JBL) Cogen Overhaul
[Project Committee 2]349

ACTION The Engineering Committee recommends that the PC 2 Board of Directors i) award a contract to Northeast – Western Energy Systems USA LLC to overhaul the Cogen Engine at the cost of \$410,612.50 plus shipping and taxes to be determined at the time of shipping and ii) authorize a contract contingency of \$20,000.00.

7. GENERAL MANAGER'S REPORT

- A. General Counsel's Update.....

ACTION Board Discussion/Direction and Action.

South Orange County Wastewater Authority
Board of Directors Meeting
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B. Acting General Manager's Report394

ACTION Board Discussion/Direction and Action.

C. Upcoming Meetings Schedule:

- December 9, 2024 – SOCWA Signing Ceremony (Ocean Institute)
- December 12, 2024 – Board of Directors Regular Meeting
- December 17, 2024 – Finance Committee Meeting (**Canceled**)
- December 19, 2024 – Engineering Committee Meeting (**Canceled**)
- January 2, 2025 – Board of Directors Regular Meeting (**Canceled**)

ACTION Information Item.

8. OTHER MATTERS

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

9. ADJOURNMENT

THE NEXT SOCWA BOARD MEETING
February 6, 2025

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

Board of Directors

November 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 November 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:

SUSAN THOMAS	Emerald Bay Service District	Alternate Director
MIKE GASKINS	El Toro Water District	Alternate Director
GAVIN CURRAN	City of Laguna Beach	Alternate Director
FRANK URY	Santa Margarita Water District	Director
MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
DAVE REBENS DORF	City of San Clemente	Director

Staff Present:	
AMBER BOONE	Acting General Manager
JIM BURROR	Director of Operations
MARY CAREY	Finance Controller
RONI YOUNG	Associate Engineer
DINA ASH	HR Administrator
ANNA SUTHERLAND	Accounts Payable
JACK BECK	Accountant
DAN GRILLEY	Electrician
MATT CLARK	IT Administrator
DANITA HIRSH	Executive Assistant

Also Present:			
ADRIANA OCHOA	Snell & Wilmer	DENNIS CAFFERTY	El Toro Water District
BRAD NEUFELD	Varner & Brandt LLP	CHARLES BARFIELD	OC Employee Assoc. (OCEA)
ALLISON BURNS	Stradling Law	ROD WOODS	Moulton Niguel Water District
KEVIN DAY	Frost Brown Todd	KATHRYN FRESHLEY	El Toro Water District
SAUNDRA JACOBS	Santa Margarita Water District	BOB OHLUND	Dudek
LISA OHLUND	Ohlund Mgmt. & Tech Svc.	SHERRY WANNINGER	Moulton Niguel Water District
KELSEY DECASAS	Moulton Niguel Water District	JEREMY JUNGREIS	Rutan & Tucker
KARI VOZENILEK	Kidman Gagen Law LLP	ROGER BUTOW	Clean Water Now (CWN)
RICK SHINTAKU	South Coast Water District	JEFF FERRE	Best Best & Krieger LLP
ANDREW GAGEN	Kidman Gagen Law LLP	JOE MULLER	South Coast Water District
KRISTI EVEN	South Coast Water District	JENNIFER LOPEZ	South Coast Water District
TARYN KJOLSING	South Coast Water District		

1. CALL TO ORDER

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

2. PLEDGE OF ALLEGIANCE – Director Susan Thomas

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 Rebensdorf and seconded by Director Collings to approve the Consent Calendar agenda items 5A and 5K as submitted.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0
	Director Thomas Aye
	Director Gaskins Aye
	Director Collings Aye
	Director Curran Aye
	Director Ury Aye
	Director Goldman Aye
	Director Rebensdorf Aye

(5A and 5D)

- A. Minutes of Board of Directors Meeting for October 3, 2024
- B. 1. Minutes of Project Committee 2 Meeting for October 1, 2024
2. Minutes of Project Committee 2 Meeting for October 3, 2024
- C. 1. Minutes of Engineering Committee Meeting for June 13, 2024
2. Minutes of Engineering Committee Meeting for August 15, 2024
3. Minutes of Engineering Committee Meeting for September 12, 2024
- D. September 2024 Operations Report
Approved Action: Information Item; received and filed.
- E. Capital Improvement Program Status Report (October)
Approved Action: Information Item; received and filed.
- F. Capital Improvement Construction Projects Progress and Change Order Report (October) [Project Committees 2, 15 and 17]
Approved Action: Information Item.
- G. Selection of Board Secretary/Treasurer Officer for the Board of Directors for Remainder of Fiscal Year (FY) 2024-25
Approved Action: The Board of Directors appointed Ms. Amber Boone, Acting General Manager, as Secretary/Treasurer Officer to serve the Authority for the remainder of FY 2024-25.
- H. Resolution No. 2024-08: A Resolution of the Board of Directors of the South Orange County Wastewater Authority authorizing Investment of Monies in the Local Agency Investment Fund
Approved Action: The Board of Directors approved Resolution No. 2024-08: A Resolution of the Board of Directors of the South Orange County Wastewater Authority authorizing Investment of Monies in the Local Agency Investment Fund.
- I. Resolution No. 2024-09: A Resolution of the Board of Directors of the South Orange County Wastewater Authority Authorizing Establishment of Deposit Accounts with BMO Harris Bank N.A.
Approved Action: The Board of Directors approved the authorization of the establishment of Deposit Accounts with BMO Harris Bank N.A.
- J. Contract Renewal to Mariposa Landscapes Inc. for Landscaping Services [Project Committees 2, 15, and 17]
Approved Action: The Board of Directors authorized the Acting General Manager to execute a one-year contract extension with Mariposa Landscapes Inc., at the pricing specified on the report and ii) authorized the Acting General Manager to initiate the subsequent renewals with an increase of 6% or less.

- K. Contract Amendment with Integrated Municipal Systems, LLC for Scrubber Maintenance Services [Project Committees 2, 15 and 17]
Approved Action: The Board of Directors authorized awarding a 1-year contract extension to Integrated Municipal Systems, LLC for scrubber maintenance services at the proposed

6. ENGINEERING MATTERS

- A. Coastal Treatment Plant (CTP) Foul Air System Reconstruction Final Design
[Project Committee 15]

ACTION TAKEN

A motion was made by Director Freshley and seconded by Director Ury to i) approve a contract with Dudek for a total of \$330,000 for the CTP Foul Air System Reconstruction Final Design and ii) approve a contract contingency of \$33,000 to address any unforeseen issue that may arise during final design.

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

7. GENERAL MANAGER'S REPORT

- A. SOCWA Reorganization Agreements Regarding: Moulton Niguel Water District (MNWD) Proposal to Transition the Regional Treatment Plant (RTP) to (MNWD) & Facilitate MNWD's Withdrawal from SOCWA [PC 2, 5, 8, 12, 17, 21 and 24]

Public Speaker: Charles Barfield, OC Employee Association (OCEA)
Dan Grilley, SOCWA Staff/OCEA President

ACTION TAKEN

A motion was made by Director Rebensdorf and seconded by Director Gaskins to approve Agenda Item #7.A.1, A.2, and A.4 through A.11 a) Incorporation of changes submitted by one or more Member Agency counsel prior to this board meeting, but not incorporated into the drafts presented to the Board and considered by a Member Agency counsel to be substantive, but approved by SOCWA General Counsel, b) incorporation of changes to conform boilerplate provisions across all of the 2024 SOCWA Reorganization Agreements, c) approval of **all** of the 2024 SOCWA Reorganization Agreements by all other Parties thereto, and d) Execution to occur at a closing on a date after all Member Agency approval.

Motion carried: Aye 7, Nay 0, Abstained 0, Absent 0
Director Thomas Aye
Director Gaskins Aye
Director Collings Aye
Director Curran Aye
Director Ury Aye
Director Goldman Aye
Director Rebensdorf Aye

B. General Counsel's Update

- San Clemente Land Outfall (PC 10) Asset Transfer Agreement
- San Clemente Land Outfall (PC 10) Bill of Sale
- Resolution to Dissolve Project Committee 10

ACTION TAKEN

A motion was made by Director Rebensdorf and seconded by Director Gaskins to i) approve Resolution No. 2024-10, A Resolution of the Board of Directors of the South Orange County Wastewater Authority Dissolving Project Committee 10 (PC 10) San Clemente Outfall, and ii) approve the Asset Transfer and Dissolution Agreement including the Bill of Sale.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0
Director Thomas	Aye
Director Gaskins	Aye
Director Collings	Aye
Director Curran	Aye
Director Ury	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

The Board of Directors convened to Closed Session at 9:25 a.m.

The Board of Directors reconvened for the Open Session at 9:40 a.m.

8. CLOSED SESSION

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

B. Report out of Closed Session Conference.

ACTION TAKEN

A motion was made by Director Ury and seconded by Director Curran to approve the MOU between South Orange County Wastewater Authority and SOCWA Employees Association Regarding Shared Services with Moulton Niguel Water District.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0
Director Thomas	Aye
Director Gaskins	Aye
Director Collings	Aye
Director Curran	Aye
Director Ury	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

ACTION TAKEN

A motion was made by Director Ury and seconded by Director Shintaku to approve the Side Letter of Agreement No. 1 to the 2024-2025 MOU.

Motion carried:	Aye 7, Nay 0, Abstained 0, Absent 0
Director Thomas	Aye
Director Gaskins	Aye
Director Collings	Aye
Director Curran	Aye
Director Ury	Aye
Director Goldman	Aye
Director Rebensdorf	Aye

C. Acting General Manager's Report

Ms. Amber Boone, Acting General Manager, reported that she would be providing updates to the SD Regional Quality Control Board on November 13 regarding the Salt and Nutrient Management Plan. An open discussion ensued.

This was an information item; no actions were taken.

D. Upcoming Meetings Schedule:

- November 7, 2024 – Board of Directors Regular Meeting
- November 14, 2024 – Engineering Committee Meeting
- November 12, 2024 – Executive Committee Meeting
- November 19, 2024 – Finance Committee Meeting
- December 12, 2024 – Board of Directors Regular Meeting

This was an information item; no actions were taken.

9. OTHER MATTERS

None.

10. ADJOURNMENT

There being no further business, Director Ury adjourned the meeting at 9:42 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Board of Directors on November 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

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

DRAFT

Executive Committee

**November 13, 2024
3:00 p.m.**

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Executive Committee Meeting was held on November 13, 2024, at 3:00 p.m. in person at the Administrative Offices located at 34156 Del Obispo Street, Dana Point, California. The following members of the Executive Committee were present:

MATT COLLINGS	Moulton Niguel Water District	Director
SCOTT GOLDMAN	South Coast Water District	Director
KATHRYN FRESHLEY	El Toro Water District	Director

Absent:

FRANK URY	Santa Margarita Water District	Director
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Staff Participation:

AMBER BOONE	Acting General Manager
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

Also Participating:

ADRIANA OCHOA	Snell & Wilmer
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1. Call Meeting to Order

Director Goldman called the meeting to order at 3:01 p.m.

2. Public Comments

None.

3. Executive Committee Bylaws Review

An open discussion ensued regarding revisions to the Executive Committee bylaws due to the member agency reduction from seven (7) members to six (6) members.

ACTION TAKEN

Staff was directed to make the recommended revisions and present them to the Board of Directors for consideration and approval in December.

4. Policy Review

An open discussion ensued regarding the separation of board-related policies vs. internal administrative-type policies. The discussion also addressed which policies required further review and updating.

This was an information item; no action was taken.

5. Planning Study Requests

An open discussion ensued on what types of organizational studies to pursue for planning purposes.

This was an information item; no action was taken.

Adjournment

There being no further business, Chairman Collings adjourned the meeting at 4:25 p.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Special Meeting of the South Orange County Wastewater Authority Executive Committee of November 13, 2024, and approved by the Executive 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 REGULAR MEETING
OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**Engineering Committee
October 10, 2024**

DRAFT

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on October 10, 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:

HANNAH FORD
MIKE DUNBAR
ROD WOODS
DON BUNTS
MARC SERNA

El Toro Water District [Zoom]
Emerald Bay Service District
Moulton Niguel Water District
Santa Margarita Water District
South Coast Water District

Absent:

DAVE REBENDSOLF
MARK McAVOY

City of San Clemente
City of Laguna Beach

Staff Present:

AMBER BOONE
RONI GRANT
JIM BURROR
KONSTANTIN SHILKOV
ANNA SUTHERLAND
MARY CAREY
JEANETTE COTINOLA
MATT CLARKE
DANITA HIRSH

Acting General Manager
Associate Engineer
Director of Operations
Senior Accountant
Accounts Payable
Finance Controller
Procurement/Contracts Manager
IT Administrator
Executive Assistant

Also Present:

TARYN KJOLSING
SAUNDRA JACOBS
DAVE LARSEN
SHERRY WANNINGER
MARK TRESTIK

South Coast Water District
Santa Margarita Water District
Moulton Niguel Water District
Moulton Niguel Water District
City of Laguna Beach

1. Call Meeting to Order

Ms. Roni Grant, Associate Engineer, called the meeting to order at 8:34 a.m.

2. Public Comments

None.

3. Approval of Minutes

- Engineering Committee Minutes of August 15, 2024
- Engineering Committee Minutes of September 12, 2024

ACTION TAKEN

A motion was made by Mr. Woods and seconded by Mr. Dunbar to approve the Engineering Committee Minutes for August 15, 2024, and September 12, 2024.

Motion carried:	Aye 5, Nay 0, Abstained 0, Absent 2
Mr. McAvoy	Absent
Ms. Ford	Aye
Mr. Dunbar	Aye
Mr. Woods	Aye
Mr. Bunts	Aye
Mr. Serna	Aye
Mr. Rebensdorf	Absent

4. Operations Report

Mr. Jim Burror, Director of Operations, reported that staff is working on procurement items that will go to the Board in November. He noted that due to the timing of receiving the proposal, he was not able to include it in the EC agenda packet. Mr. Burror also added that there are continued delays with the delivery of some equipment, partly due to some ports being closed. An open discussion ensued.

Ms. Boone reported on the status update on the variance form for the flare. She noted an application for appeal of denial was filed and is awaiting a response. She commended Ms. Roni Grant for her assistance with providing significant information needed to file for the appeal and that staff continues to work through the administrative channels with AQMD. An open discussion ensued.

This was an information item; no action was taken.

5. Capital Improvement Construction Projects Progress and Change Order Report (October)
[Project Committees 2, 15 and 17]

Ms. Roni Grant, Associate Engineer, gave an update on the JBL Scum Line Replacement, CTP Diffusers Replacement and Aeration Deck Grating Replacement, and RTP Flare System Upgrades projects. Ms. Grant also stated that the Board had approved a two-year contract to Project Partners and Z&K. CIP reports will be provided once the projects are up and running. An open discussion ensued.

This was an information item; no action was taken.

6. Coastal Treatment Plant (CTP) Aeration Blower System Upgrades

Staff pulled the agenda item, stating it would be brought back to the next meeting in November.

No action was taken.

7. Coastal Treatment Plant (CTP) Foul Air System Reconstruction [Project Committee 15]

ACTION TAKEN

A motion was made by Mr. Dunbar and seconded by Mr. Serna to recommend that the PC 15 Board i) approve a contract with Dudek for a total of \$330,000 for the CTP Foul Air System Reconstruction Final Design and ii) approve a contract contingency of \$33,000 to address any unforeseen issue that may arise during final design.

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

8. PC 2 Grant Funding Support [Project Committee 2]

Staff pulled the agenda item, stating it would be brought back to the next meeting in November.

No action was taken.

9. Adjournment

There being no further business, Ms. Grant adjourned the meeting at 8:51 a.m.

I HEREBY CERTIFY that the foregoing Minutes are a true and accurate copy of the Minutes of the Regular Meeting of the South Orange County Wastewater Authority Engineering Committee of October 10, 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



SOCWA BOARD MEETING REMOTE APPEARANCE FORM

Board Member Name _____

Member Agency _____

Date of Requested Remote Participation _____ **Date Request Submitted** _____

Basis for Remote Appearance (select one)

☐ Emergency Circumstances (*i.e.*, a physical or family medical emergency that prevents in-person participation) *Subject to Board approval

☐ Just Cause (select applicable reason below)

- ☐ A childcare or caregiving need of a child, parent, grandparent, grandchild, sibling, spouse, or domestic partner that requires remote participation
- ☐ A contagious illness that prevents in-person participation
- ☐ A need related to a physical or mental disability
- ☐ Travel while on official business of this legislative body or another state or local agency

General Description of Need to Appear Remotely – *Approximately 20 words. No need to disclose any medical diagnosis, disability or personal medical information.*

Important Reminders

- Notify the agency of your need to appear remotely at the earliest opportunity.
- You must participate remotely by both audio and video.
- At the meeting before any action is taken, you must publicly disclose whether there are any individuals 18 years of age or older in the room with you, and the general nature of your relationship with the individual(s).
- You must submit a request for each meeting in which you seek to appear remotely.
- You may not participate remotely for more than three consecutive months or for 20% of regular meetings within the calendar year. If the board meets 10 or fewer times per year, you may only participate remotely for two meetings per calendar year.
- You may only participate remotely for “just cause” for two meetings per calendar year.
- Requests to appear remotely under emergency circumstances require a Board action to approve the request.

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

Finance Committee

August 20, 2024

DRAFT

The Special Meeting of the South Orange County Wastewater Authority (SOCWA) Finance Committee Meeting was held on August 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
JENNIFER LEISZ	South Coast Water District	Alternate Director
PAUL PENDER	Santa Margarita Water District	Alternate Director [Zoom]

Absent:

KELSEY DECASAS	Moulton Niguel Water District	*Non-Voting Participant
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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
ANNA SUTHERLAND	Accounts Payable
KONSTANTIN SHILKOV	Senior Accountant
DINA ASH	HR Administrator

Also Participating:

ADRIANA OCHOA	Procopio Law
KATHRYN FRESHLEY	El Toro Water District
JOE MULLER	South Coast Water District
DREW ATWATER	Moulton Niguel Water District

1. Call Meeting to Order

Chairperson Jennifer Leisz called the meeting to order at 10:44 a.m.

2. Public Comments

None.

3. Approval of Minutes

- Finance Committee Meeting of June 18, 2024.

ACTION TAKEN

A motion was made by Director Curran and seconded by Director Pender to approve the Minutes for June 18, 2024, as submitted.

Motion carried: Aye 3, Nay 0, Abstained 1, Absent 1
Director Curran Aye
Director Cafferty Abstain
Director Collings Absent
Director Pender Aye
Director Leisz Aye

4. Financial Reports for the Month of June 2024 Cash Disbursements for the Month of May 2024 & June 2024

ACTION TAKEN

A motion was made by Director Cafferty and seconded by Director Leisz to recommend that the Board of Directors (i) receive and file the June 2024 Financial Reports, (ii) ratify the May 2024 disbursement for the period from May 1, 2024, through May 31, 2024, totaling \$1,671,478, and (iii) ratify the June 2024 Disbursement for the period from June 1, 2024, through June 30, 2024, totaling \$2,549,652.

Motion carried: Aye 4, Nay 0, Abstained 0, Absent 1
Director Curran Aye
Director Cafferty Aye
Director Collings Absent
Director Pender Aye
Director Leisz Aye

5. Preliminary Net Pension Liability as of June 30, 2024

Ms. Mary Carey, Finance Controller, gave a presentation on the Draft GASB 68 Report Net Pension Liability as of June 30, 2024. An open discussion ensued.

This was an information item; no action was taken.

6. SOCWA Biosolids Contracts Review

Mr. Burror, Acting General Manager/Director of Operations, reported that the Board directed staff to present the Biosolids contracts to the Finance Committee for review and potential recommendations for modifications to the programs going into the next budget cycle if applicable. An open discussion ensued.

This was an information item; no action was taken.

7. SOCWA Insurance Coverage

Mr. Burror reported that the staff had prepared the listing of SOCWA insurance policies for the Finance Committee review before submitting it to the Board of Directors. An open discussion ensued.

This was an information item; no action was taken.

8. Alternative Funding Allocations for Laboratory Large Capital Purchase

Mr. Burror stated the Board directed staff to present this report to the Finance Committee, noting that the Board had approved the study that looked at renovating the laboratory that all seven members and contracted agencies utilize. Ms. Boone, Director of Environmental Compliance, added that because of the board's unanimous support, costs for the special study should be allocated based on where employees are working as a new methodology. An open discussion ensued.

This was an information item; No action was taken.

Adjournment

There being no further business, Chairperson Leisz adjourned the meeting at 12.06 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 August 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



SOCWA BOARD MEETING REMOTE APPEARANCE FORM

Board Member Name _____

Member Agency _____

Date of Requested Remote Participation _____ **Date Request Submitted** _____

Basis for Remote Appearance (select one)

☐ Emergency Circumstances (*i.e.*, a physical or family medical emergency that prevents in-person participation) *Subject to Board approval

☐ Just Cause (select applicable reason below)

- ☐ A childcare or caregiving need of a child, parent, grandparent, grandchild, sibling, spouse, or domestic partner that requires remote participation
- ☐ A contagious illness that prevents in-person participation
- ☐ A need related to a physical or mental disability
- ☐ Travel while on official business of this legislative body or another state or local agency

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Important Reminders

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- Requests to appear remotely under emergency circumstances require a Board action to approve the request.

Agenda Item

5.E.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors
FROM: Jim Burror, Director of Operations
SUBJECT: October 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 six (6) page overview and comparison of owner use of facilities, including influent and recycled water production. The pages include ongoing calculations used by SOCWA 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

Fiscal Impact

No change.

Recommended Action: Receive and file the Operational Reports.

Monthly Operational Report

SOCWA Operational Report October, 2024

Excursion, Complaint, and Violation Events

Events	CTP	JBL	Totals
Odor	0	0	0
Noise	0	0	0
Spills	0	0	0
Violations	0	1	1
Others	0	0	0

Plant Wastewater Characteristics

Key Parameters	CTP	JBL TP1	JBL TP2	Total
Influent (mgd) (1)	2.49	7.37	1.08	10.94
Effluent (mgd)	2.41	7.37	2.04	11.82
Peak Flow (mgd)	6.67	10.08	8.34	25.09
Influent BOD (mg/l)	253	294	511	
Influent TSS (mg/l)	345	390	872	
Effluent BOD (mg/l)	5.2	9.3	10.3	
Effluent TSS (mg/l)	8.0	10.2	9.0	
Effluent Turbidity (NTU)	1.8	5.0	3.6	

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

Recycled Water (AWT) Operations

Key Parameters	CTP	JBL	Totals
Average Flow (mgd)	0.74		0.74
Days of Operation (days)	31		
Total Flow (million gallons)	23.0		22.98
Plant Irrigation (million gallons)	0.10	0.30	0.40
AWT Time Online (%)	100.0		

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 October, 2024 (cont'd)

Biosolids Management

Biosolids Management Site	CTP	JBL	Totals
Nursery Products (tons)		604.6	604.6
Prima Deshecha (tons)		144.0	144.0
Other: (tons)		0.0	0.0
Total Processed (tons)		748.6	748.6

Summary of Maintenance Activities

Task Type	CTP	JBL	Totals
Preventative Maintenance	220	305	525
Corrective Maintenance	23	58	81

Site Visitors

Visitor Types	CTP	JBL	Totals
Regulatory	0	1	1
Member Agency	1	0	1
Residents	0	0	0
Others	5	31	36
Tours #/Visitors	0	0	0

Grit Disposal Management

Grit & Screenings	CTP	JBL	Totals
Simi Valley Landfill (tons)	7.4	28.2	35.7

Chemical and Energy Utilization

Chemical/Utility	CTP	JBL	Totals
Ferric Chloride (tons)	NA	NA	0
Utility Power Purchase (kWh)	NA	211,291	211,291
Cogen Power (kWh)		436,193	436,193
Natural Gas (Dth)	1	NA	1
Digester Gas to Engine (scfm)		5,098,035	5,098,035
Digester Gas to Boiler (scfm)		37,271	5,098,035
Digester Gas to Flares (scfm)		251,666	251,666

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 October, 2024 (cont'd)

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

Agency	CTP (mgd)	CTP (%)	JBL (mgd)	JBL (%)	Total (mgd)
CLB	1.471	56.95%			1.471
EBSD	0.052	2.03%			0.052
SCWD	1.059	41.02%	3.151	37.27%	4.210
SMWD			5.304	62.73%	5.304
Total	2.582	100.00%	8.455	100.00%	11.037

Total Agency Outfall Flows by Outfall System-Billing Flows

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)	Notes
CLB			1.47	18.88%	1.47	
EBSD			0.05	0.67%	0.05	
SCWD	4.01	32.76%	0.76	9.74%	4.77	Includes MNWD
ETWD			5.51	25.49%	5.51	Includes IRWD and MNWD
SMWD	5.83	47.58%			5.83	Includes CSJC
CSC	2.41	19.66%			2.41	
Total	12.24	100.00%	7.79	100.00%	20.03	

SOCWA Operational Report October, 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 (%)
SCWD	6.75	51.92%	2.998	39.11%	3.151	37.27%	3.05	35.80%
SMWD	6.25	48.08%	4.667	60.89%	5.304	62.73%	5.47	64.20%
Total	13.00	100.00%	7.665	100.00%	8.455	100.00%	8.52	100.00%

Project Committee No. 2 Solids (JBL)

Agency	Own (lbs/d)	Own (%)	Budget (lbs/d)	Budget (%)	Month (lbs/d)	Month (%)	36 Month Rol. Avg. (lbs/d) (2)	36 Month Rol. Avg. (%)
SCWD	7,715	41.34%	10,876	35.92%	10,648	40.10%	8,885	37.84%
SMWD	10,946	58.66%	19,402	64.08%	15,908	59.90%	14,597	62.16%
Total	18,661	100.00%	30,278	100.00%	26,556	100.00%	23,482	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	22.65%	13.300	22.65%	2.407	19.66%	2.366	20.21%
SCWD(3)	16.98%	9.970	16.98%	4.011	32.76%	3.458	29.53%
SMWD(4)	60.38%	35.460	60.38%	5.826	47.58%	5.886	50.26%
Total	100.00%	58.730	100.00%	12.244	100.00%	11.710	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 flows with SCWD flows are assumed to be 1.4 mgd unless Treatment Plant 3A is discharging to the sewer. If other discharges occur, they are estimated.
- 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 MNWD is reported as part of SCWD's flow to the ocean outfall.

(4) All monthly flow data from CSJC is reported as part of SMWD's flow to the ocean outfall.

SOCWA Operational Report October, 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	3.64	54.33%	1.430	53.56%	1.471	56.95%	1.613	57.33%
EBSD	0.20	2.99%	0.060	2.25%	0.052	2.03%	0.070	2.50%
SCWD	2.86	42.69%	1.180	44.19%	1.059	41.02%	1.130	40.18%
Total	6.70	100.00%	2.670	100.00%	2.582	100.00%	2.813	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	18.88%	1.471	18.88%	1.471	18.88%	1.613	22.49%
EBSD	0.67%	0.052	0.67%	0.052	0.67%	0.070	0.98%
ETWD(1)	70.71%	5.507	70.71%	5.507	70.71%	4.861	67.79%
SCWD	9.74%	0.758	9.74%	0.758	9.74%	0.626	8.74%
Total	100.00%	7.789	100.00%	7.789	100.00%	7.171	100.00%

(1) Flows include MNWD and IRWD flows to the outfall.

SOCWA Operational Report October 2024 (cont'd)

Select Critical Equipment Repairs

JBL - PC2

Repaired leak on Bleach Metering Pump#2.
Troubleshoot the failing Plant #2 RAS TSS meter.
Overhauled the failing Plant #2 Primary Sludge Pump #4.
Replaced failing Scrubber Stage 1 pH Probe.
Troubleshoot the failing Grit Pump #4.
Troubleshoot the failing Plant #1 Screenings Conveyor system.
Troubleshoot failing centrifuge control and polymer dosing systems.
Replaced the antiquated SJCOO Outfall Surge Suppressor and Airvac system.
Replaced failing SCR brinks for the Cogen emission control system.
Overhauled the failing Digester Gas Mixing System #4.
Replaced failing scraper blades on the Plant #1 primary basins.
Troubleshoot the failing DAFT #2 system.
Troubleshoot several failing hot water system 3-way valves.
Repaired failed UPS for digester gas flaring system.
Troubleshoot a failed effluent meter in SCADA.
Troubleshoot the failing RSP #5.

CTP - PC15

Replaced several failed D.O. probes.
Supported several large capital projects for shutdowns, etc.
Troubleshoot several failed sensors on the DPS and Old Export systems.
Troubleshoot the failing West Primary sludge pumping system.
Troubleshoot several failed aeration control valves.
Troubleshoot several failed primary sludge control valves.
Troubleshoot failed RAS Bleach Pump #2 and TWAS Pump #1.
Overhauled the failing TWAS (South) Pump #2.
Troubleshoot several failed singles to the SCADA system.

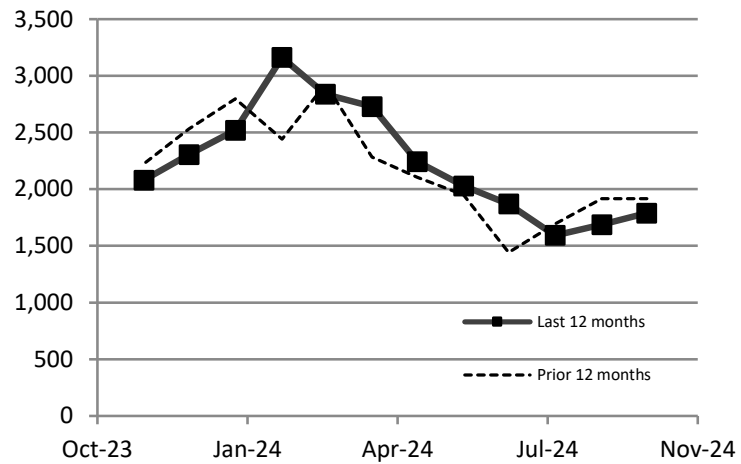
SOCWA Ocean Outfall Discharges by Agency

SOCWA Operational Report October 2024 (cont'd)

Agency	SJCOO (mgd)	SJCOO (%)	ACOO (mgd)	ACOO (%)	Total (mgd)
CLB			1.47	18.88%	1.47
EBSD			0.05	0.67%	0.05
SCWD	4.01	32.76%	0.76	9.74%	4.77
ETWD			5.51	70.71%	5.51
SMWD					5.83
CSC	2.41	19.66%			2.41
Total	12.24	100.00%	7.79	100.00%	20.03
or Acre-Feet per year equivalent					22,436

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

Oct-24	1,789
Sep-24	1,688
Aug-24	1,593
Jul-24	1,869
Jun-24	2,028
May-24	2,243
Apr-24	2,727
Mar-24	2,837
Feb-24	3,161
Jan-24	2,519
Dec-23	2,305
Nov-23	2,079
Total	26,838



Beach / Ocean Monitoring Report

ALISO CREEK OCEAN OUTFALL MONITORING REPORT

October 2024

DATE	IRWD LOS ALISOS WRP				EL TORO WRP				SOCWA REGIONAL PLANT				SOCWA COASTAL PLANT				IRWD IDP	IRWD SGU	SCWD ACWRF	ACOO	Rain
	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	TSS	cBOD	SS	FLOW	FLOW	FLOW	FLOW	Fall
	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	mg/L	mg/L	ml/L	MGD	MGD	MGD	MGD	inches
10/01/24	No Flow				1.487	23.0	8.4	<0.1	1.540	9.2	5.0	0.1	2.890	2.5	2.0	<0.1	0.390	0.000	0.130	6.437	0.00
10/02/24	No Flow				1.074	20.3	8.0	0.1	1.01	10.3	5.0	<0.1	2.432	9.2	5.0	<0.1	0.390	0.000	0.129	5.035	0.00
10/03/24	No Flow				1.256	13.7	8.0	0.1	1.000	6.2	5.0	<0.1	2.397	8.1	6.0	<0.1	0.389	0.000	0.142	5.184	0.00
10/04/24	No Flow				0.985	17.2	6.7	0.4	1.640	6.0	5.0	<0.1	2.350	9.6	5.0	<0.1	0.381	0.000	0.121	5.477	0.00
10/05/24	No Flow				2.452	17.4	16.0	0.1	6.970	6.8	4.0		1.669	18.2	6.0		0.389	0.000	0.142	11.622	0.00
10/06/24	No Flow				2.177	15.7	8.8	0.1	7.260	6.1	5.0	<0.1	2.220	14.1	7.0	<0.1	0.390	0.000	0.139	12.186	0.00
10/07/24	No Flow				1.704	9.7		<0.1	7.490	7.0	5.0	0.1	2.324	8.7	6.0	<0.1	0.389	0.000	0.119	12.026	0.00
10/08/24	No Flow				2.236	16.3	6.9	<0.1	3.830	11.1	5.0	<0.1	2.391	8.0	6.0	0.1	0.390	0.000	0.089	8.936	0.00
10/09/24	No Flow				1.468	16.7	12.0	<0.1	1.520	8.0	5.0	<0.1	1.728	9.7	5.0	<0.1	0.390	0.000	0.129	5.235	0.00
10/10/24	No Flow				1.723	13.7	5.0	<0.1	2.350	6.1	4.0	<0.1	2.441	4.3	3.0	<0.1	0.389	0.000	0.157	7.060	0.00
10/11/24	No Flow				1.194	9.2	5.2	0.4	4.690	4.9	7.0	<0.1	2.585	9.4	5.0	<0.1	0.390	0.000	0.112	8.971	0.00
10/12/24	No Flow				2.423	6.6	3.0	0.1	3.940	6.7	3.0		2.972	8.9	2.0		0.390	0.000	0.172	9.897	0.00
10/13/24	No Flow				2.862	8.5	4.0	<0.1	5.000	6.5	4.0	<0.1	3.065	8.1	5.0	<0.1	0.368	0.000	0.091	11.386	0.00
10/14/24	No Flow				2.190	8.3		0.1	3.300	9.4	5.0	<0.1	2.985	8.8	4.0	0.1	0.390	0.000	0.137	9.002	0.00
10/15/24	No Flow				1.895	8.3	3.8	0.1	2.710	8.4	4.0	<0.1	3.649	8.0	6.0	0.1	0.390	0.000	0.130	8.774	0.00
10/16/24	No Flow				1.420	10.3	4.8	0.3	2.460	8.0	5.0	0.1	2.080	10.8	5.0	<0.1	0.390	0.000	0.134	6.484	0.00
10/17/24	No Flow				2.553	13.5	4.7	<0.1	4.080	5.9	6.0	<0.1	2.137	6.8	6.0	<0.1	0.390	0.000	0.132	9.292	0.00
10/18/24	No Flow				2.269	13.4	4.6	0.1	2.090	8.4	4.0	<0.1	2.065	8.6	7.0	0.1	0.416	0.000	0.136	6.976	0.00
10/19/24	No Flow				2.319	15.4	10.9	0.1	3.370	5.6	4.0		2.068	7.6	7.0		0.442	0.000	0.134	8.333	0.00
10/20/24	No Flow				2.925	7.4	2.6	<0.1	3.830	6.0	6.0	<0.1	2.128	9.2	7.0	<0.1	0.442	0.000	0.135	9.460	0.00
10/21/24	No Flow				1.564	10.0		0.2	3.700	8.7	5.0	0.1	2.238	9.3	10.0	<0.1	0.442	0.000	0.136	8.080	0.00
10/22/24	No Flow				2.096	9.6	4.7	0.1	1.890	8.0	8.0	0.1	1.681	8.4	4.0	<0.1	0.443	0.000	0.119	6.229	0.00
10/23/24	No Flow				0.658	9.0	5.4	0.1	2.560	5.0	7.0	0.1	1.991	6.3	4.0	<0.1	0.442	0.000	0.130	5.781	0.00
10/24/24	No Flow				1.331	11.5	6.0	0.1	1.770	8.2	6.0	0.1	1.861	6.4	6.0	<0.1	0.443	0.000	0.131	5.536	0.00
10/25/24	No Flow				2.067	22.8	7.6	0.3	2.490	8.2	7.0	0.1	2.336	5.9	5.0	<0.1	0.445	0.000	0.130	7.468	0.00
10/26/24	No Flow				1.900	14.6	17.0	0.1	2.730	7.2	5.0		2.062	7.8	4.0		0.446	0.000	0.121	7.259	0.00
10/27/24	No Flow				2.507	14.1	7.0	0.1	2.840	7.8	6.0	0.1	2.175	2.7	4.0		0.447	0.000	0.143	8.112	0.00
10/28/24	No Flow				2.376	11.0		0.9	2.900	10.2	7.0	<0.1	2.213	6.3	5.0	<0.1	0.446	0.000	0.133	8.068	0.00
10/29/24	No Flow				2.582	15.5	6.2	0.1	2.060	10.0	7.0	0.1	2.041	4.8	5.0	<0.1	0.443	0.000	0.159	7.285	0.00
10/30/24	No Flow				3.128	16.5	8.0	0.1	1.520	9.1	6.0	<0.1	1.909	6.2	5.0	<0.1	0.443	0.000	0.104	7.104	0.00
10/31/24	No Flow				2.724	14.3	6.1	0.5	1.860	6.6	5.0	<0.1	1.640	6.1	5.0	<0.1	0.443	0.000	0.152	6.819	0.00
AVG	No Flow				1.985	13.3	7.1	<0.2	3.110	7.6	5.3	<0.1	2.281	8.0	5.2	<0.1	0.412	0.000	0.131	7.920	
TOTAL	No Flow				61.55				96.40				70.72				12.78	0.00	4.068	245.51	0.00

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 1 2024
 SAMPLE SOURCE: Surf zone
 TYPE OF SAMPLE: Grab

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

Tidal Condition: High Tide 08:59

Weather: Fog

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage				Water	H2O	Water	Water	Birds
			Coliform	Coliform	coccus	Origin		Oil &	Odor					
			CFU/100ml	CFU/100ml	CFU/100ml	Onshore	Offshore	Grease						
			SM9222B	SM9222D	EPA 1600					Color	Temp(F)	Condition	Outlet	
S3	10/01/24	08:41	<10	<10	<2	None	None	None	None	Green	60	Clear		
S4	10/01/24	11:10	<10	<10	<2	None	None	None	None	Blue		Clear		
S5	10/01/24	11:01	<10	<10	2	None	None	None	None	Blue		Clear		
S6	10/01/24	10:47	<10	<10	<2	None	None	None	None	Blue		Clear		
WEST	10/01/24	10:40	<10	<10	<2	None	None	None	None	Blue		Clear		
S7	10/01/24	10:34	<10	<10	<2	None	None	None	None	Blue		Clear		
S8	10/01/24	10:17	<10	<10	<2	None	None	None	None	Green		Clear		
S9	10/01/24	10:10	100	<10	<2	None	None	None	None	Green		Clear		
ACM1	10/01/24	10:06	700	380	260	None	None	None	None	Green		Clear		
S10	10/01/24	09:37	50	10	2	None	None	None	None	Green		Clear		
S11	10/01/24	09:28	10	20	2	None	None	None	None	Green		Clear		
S12	10/01/24	09:22	50	30	4	None	None	None	None	Green		Clear		

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

Unified Beach Monitoring

#2

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 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 14:39

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total Coliform	Fecal Coliform	Entero- coccus	Material of Sewage		Oil &	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600	Onshore	Offshore	Grease						
S3	10/10/24	08:00	<10	<10	<2	None	None	None	None	Green	62	Clear		
S4	10/10/24	09:50	<10	<10	<2	None	None	None	None	Green		Clear		
S5	10/10/24	09:45	10	<10	<2	None	None	None	None	Green		Clear		
S6	10/10/24	09:20	10	10	<2	None	None	None	None	Green		Clear		
WEST	10/10/24	09:17	<10	<10	<2	None	None	None	None	Green		Clear		
S7	10/10/24	09:12	<10	<10	<2	None	None	None	None	Green		Clear		
S8	10/10/24	09:03	<10	<10	2	None	None	None	None	Green		Clear		
S9	10/10/24	08:59	20	<10	<2	None	None	None	None	Green		Clear		
ACM1	10/10/24	08:52	<10	10	2	None	None	None	None	Green		Clear		
S10	10/10/24	08:37	10	<10	<2	None	None	None	None	Green		Clear		
S11	10/10/24	08:32	<10	<10	2	None	None	None	None	Green		Clear		
S12	10/10/24	08:26	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 100m

Unified Beach Monitoring

#3

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 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 08:32

Weather: Overcast

COMMENTS:

0.0

STA#	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore							
S3	10/16/24	09:06	<100	<10	4	None	None	None	None	Blue	64	Clear		
S4	10/16/24	09:25	<100	<10	10	None	None	None	None	Blue		Clear		
S5	10/16/24	09:35	<100	10	28	None	None	None	None	Blue		Clear		
S6	10/16/24	11:08	<100	20	4	None	None	None	None	Blue		Clear		
WEST	10/16/24	10:49	10	<10	4	None	None	None	None	Blue		Clear		
S7	10/16/24	10:41	<100	10	10	None	None	None	None	Blue		Clear		
S8	10/16/24	10:29	>=60	20	70	None	None	None	None	Blue		Clear		
S9	10/16/24	10:25	100	10	22	None	None	None	None	Blue		Clear		
ACM1	10/16/24	10:19	90	60	28	None	None	None	None	Blue		Clear		
S10	10/16/24	10:09	10	10	4	None	None	None	None	Blue		Clear		
S11	10/16/24	10:01	<10	<10	2	None	None	None	None	Blue		Clear		
S12	10/16/24	09:54	<10	<10	<2	None	None	None	None	Blue		Clear		

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

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 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: Low Tide 07:53

Weather: Clear

COMMENTS:

0.0

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							
			SM9222B	SM9222D	EPA 1600									
S3	10/23/24	08:07	<10	<10	<2	None	None	None	None	Green	64	Clear		
S4	10/23/24	10:05	<10	<10	<2	None	None	None	None	Green		Clear		
S5	10/23/24	10:00	<10	<10	<2	None	None	None	None	Green		Clear		
S6	10/23/24	09:33	<10	<10	2	None	None	None	None	Green		Clear		
WEST	10/23/24	09:30	<10	<10	2	None	None	None	None	Green		Clear		
S7	10/23/24	09:25	<10	<10	2	None	None	None	None	Green		Clear		
S8	10/23/24	09:02	<10	<10	<2	None	None	None	None	Green		Clear		
S9	10/23/24	8:59	<10	<10	<2	None	None	None	None	Green		Clear		
ACM1	10/23/24	8:55	<10	<10	<2	None	None	None	None	Green		Clear		
S10	10/23/24	08:43	<10	<10	<2	None	None	None	None	Green		Clear		
S11	10/23/24	08:39	<10	<10	<2	None	None	None	None	Green	Clear			
S12	10/23/24	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 Monitoring

#5

South Orange County Wastewater Authority-Aliso Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 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 08:10

Weather: Overcast

COMMENTS:

STA#	DATE	TIME	Total	Fecal	Entero-	Material of Sewage		Oil & Grease	Odor	Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			Coliform	Coliform	coccus	Origin								
			CFU/100ml SM9222B	CFU/100ml SM9222D	CFU/100ml EPA 1600									
S3	10/29/24	08:03	20	<10	8	None	None	None	None	Green	62	Slightly Turbid		
S4	10/29/24	10:23	10	20	20	None	None	None	None	Green		Slightly Turbid		
S5	10/29/24	09:55	<10	20	10	None	None	None	None	Green		Slightly Turbid		
S6	10/29/24	09:22	30	10	6	None	None	None	None	Green		Slightly Turbid		
WEST	10/29/24	09:19	20	10	6	None	None	None	None	Green		Slightly Turbid		
S7	10/29/24	09:12	20	10	10	None	None	None	None	Green		Slightly Turbid		
S8	10/29/24	08:59	<10	10	10	None	None	None	None	Green		Slightly Turbid		
S9	10/29/24	08:56	10	<10	6	None	None	None	None	Green		Slightly Turbid		
ACM1	10/29/24	08:52	<10	100	<2	None	None	None	None	Green		Slightly Turbid		
S10	10/29/24	08:39	20	10	2	None	None	None	None	Green		Slightly Turbid		
S11	10/29/24	08:34	20	30	6	None	None	None	None	Green		Slightly Turbid		
S12	10/29/24	08:26	<10	<10	4	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 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: October 2024

Report Frequency: Monthly

Report Due: December 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:

High Tide 09:18

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	10/17/24	<2	<2	<2	08:03	0	0	
A-1	Mid depth	10/17/24	<10	<10	<10				
A-2	Surface	10/17/24	<2	<2	<2	07:54	0	0	
A-2	Mid depth	10/17/24	<10	<10	<10				
A-3	Surface	10/17/24	<2	<2	<2	08:11	0	0	
A-3	Mid depth	10/17/24	<10	<10	<10				
A-4	Surface	10/17/24	<2	<2	<2	08:15	0	0	
A-4	Mid depth	10/17/24	<10	<10	<10				
A-5	Surface	10/17/24	<2	<2	<2	08:06	0	0	
A-5	Mid depth	10/17/24	<10	<10	<10				
B-1	Surface	10/17/24	<2	<2	<2	07:49	0	0	
B-1	Mid depth	10/17/24	<10	<10	<10				
B-2	Surface	10/17/24	<2	<2	<2	08:22	0	0	
B-2	Mid depth	10/17/24	<10	<10	<10				
N1	Surface	10/17/24	<2	<2	<2	08:43	0	0	
N2	Surface	10/17/24	<2	<2	<2	08:41	0	0	
N3	Surface	10/17/24	4	<2	<2	08:39	0	0	
N4	Surface	10/17/24	<2	<2	<2	08:38	0	0	
N5	Surface	10/17/24	<2	<2	<2	08:36	0	0	
N6	Surface	10/17/24	<2	<2	<2	08:35	0	0	
N7	Surface	10/17/24	<2	<2	<2	08:33	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

October 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
10/01/24	7.750	9.1	6.0	<0.1	2.704	8.7	5.0	<0.1	0.000				0.026	11.4	8.3	<0.1	0.410	No Flow	12.090	0.00
10/02/24	7.370	7.9	7.6	0.1	1.584	6.4	6.0	<0.1	0.050	3.3	2.4	<0.1	0.038	6.4	5.2	<0.1	0.500	No Flow	10.990	0.00
10/03/24	7.600	7.8	13.6	0.1	2.219	6.0	5.0	<0.1	0.000				0.032	8.0	6.3	<0.1	0.350	No Flow	11.110	0.00
10/04/24	7.590	8.9	10.0	0.3	2.185	5.2	4.0	<0.1	0.000				0.020	6.8	5.4	<0.1	0.500	No Flow	11.040	0.00
10/05/24	7.400	8.8	9.0		2.549		6.0		0.000				0.035				0.500	No Flow	11.200	0.00
10/06/24	7.470	9.8	15.0	<0.1	2.326				0.000				0.047				0.500	No Flow	11.570	0.00
10/07/24	7.630	9.7	9.8	<0.1	2.768	6.3	5.0	<0.1	0.000				0.071	12.2	8.8	<0.1	0.490	No Flow	11.960	0.00
10/08/24	7.460	9.7	8.4	<0.1	2.715	7.6	6.0	<0.1	0.000				0.042	8.8	6.0	<0.1	0.480	No Flow	11.770	0.00
10/09/24	7.360	9.7	7.0	<0.1	2.265	5.3	5.0	<0.1	0.026	2.6	1.8	0.1	0.031	8.8	6.3	<0.1	0.500	No Flow	11.470	0.00
10/10/24	7.170	9.4	9.0	0.1	2.504	4.5	4.0	<0.1	0.001	3.5	1.9	<0.1	0.028	10.0	7.4	<0.1	0.490	No Flow	11.330	0.00
10/11/24	7.080	8.5	7.9	<0.1	2.302	6.4	5.0	0.1	0.000				0.037	7.2	5.7	<0.1	0.460	No Flow	10.930	0.00
10/12/24	7.100	10.5	7.4		2.281		6.0		0.000				0.069				0.480	No Flow	11.010	0.00
10/13/24	7.170	16.8	14.4	17.0	2.668				0.000				0.049				0.480	No Flow	10.960	0.00
10/14/24	7.190	28.7		<0.1	2.946	8.4	5.0	<0.1	0.000				0.056	13.2	9.5	<0.1	0.470	No Flow	10.180	0.00
10/15/24	7.150	12.0	15.4	<0.1	2.025	7.8	6.0	0.1	1.341	2.3	2.8	<0.1	0.054	15.2	10.6	<0.1	0.480	No Flow	11.450	0.00
10/16/24	8.380	9.8	10.8	<0.1	2.817	12.7	12.0	<0.1	0.004	6.6	2.9	<0.1	1.260	13.2	9.8	<0.1	0.480	No Flow	13.320	0.00
10/17/24	8.020	8.8	8.0	<0.1	2.498	7.8	6.0	<0.1	0.006	3.2	1.9	<0.1	1.822	13.6	9.0	<0.1	0.480	No Flow	11.720	0.00
10/18/24	8.010	7.6	7.5	0.1	2.128	6.4	5.0	<0.1	0.000				1.675	12.4	8.3	<0.1	0.480	No Flow	12.740	0.00
10/19/24	7.960	7.5	7.0		2.073		6.0		0.000				1.632				0.480	No Flow	12.370	0.00
10/20/24	8.160	11.0	11.7	<0.1	2.673				0.000				1.619				0.490	No Flow	12.840	0.00
10/21/24	8.130	10.6	20.7	0.1	2.569	7.2	6.0	0.2	0.000				1.654	14.4	10.2	<0.1	0.480	No Flow	12.900	0.00
10/22/24	7.760	7.9	8.2	0.1	2.343	7.7	6.0	<0.1	0.000				1.552	11.2	8.2	<0.1	0.480	No Flow	12.540	0.00
10/23/24	7.560	11.4	9.4	<0.1	2.262	7.9	7.0	<0.1	0.075	2.0	2.3	<0.1	1.628	14.6	9.2	<0.1	0.480	No Flow	12.410	0.00
10/24/24	7.820	8.5	8.5	0.1	2.233	7.7	5.0	0.1	0.000				1.604	9.4	6.9	<0.1	0.460	No Flow	12.400	0.00
10/25/24	7.900	8.8	7.0	0.1	2.326	9.7	6.0	0.2	0.000				1.613	9.2	6.5	<0.1	0.500	No Flow	12.470	0.00
10/26/24	7.820	7.4	6.8		2.493				0.000				1.582				0.500	No Flow	12.440	0.00
10/27/24	8.010	7.5	8.2	<0.1	2.422				0.000				1.622				0.500	No Flow	12.690	0.00
10/28/24	8.180	9.0	7.8	<0.1	2.974	9.0	8.0	0.4	0.000				1.668	8.0	6.4	0.3	0.510	No Flow	13.190	0.00
10/29/24	8.070	8.9	7.0	<0.1	2.762	8.0	8.0	0.1	0.000				1.754	<19.2	7.3	<0.1	0.500	No Flow	12.970	0.00
10/30/24	7.880	8.8	7.3	<0.1	1.782	9.4	8.0	<0.1	0.015	2.9	3.2	<0.1	1.696	<4.0	6.6	<0.1	0.470	No Flow	12.570	0.00
10/31/24	7.960	7.2	7.8	<0.1	2.220	8.9	7.0	0.2	0.000				1.634	<5.3	5.5	<0.1	0.300	No Flow	12.730	0.00
AVG	7.681	9.9	9.5	<0.7	2.407	7.6	6.1	<0.1	0.049	3.3	2.4	<0.1	0.860	10.5	7.5	<0.1	0.474	No Flow	11.979	
TOTAL	238.110				74.616				1.518				26.650				14.680	No Flow	371.360	0.00

Unified Beach Monitoring

#1

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 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 09:37

Weather: Fog

COMMENTS:

			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	10/03/24	09:05	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S1	10/03/24	09:00	20	<20	26	None	None	None	None	Green		Slightly Turbid		
S2	10/03/24	09:15	<20	<20	4	None	None	None	None	Green		Slightly Turbid		
DSB5	10/03/24	09:20	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
S3	10/03/24	08:50	20	<20	4	None	None	None	None	Green		Slightly Turbid		
DSB4	10/03/24	08:45	<20	<20	2	None	None	None	None	Green		Slightly Turbid		
S5	10/03/24	08:40	<20	<20	4	None	None	None	None	Green		Slightly Turbid		
DSB1	10/03/24	08:35	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	10/03/24	09:10	<100	<100	<10	None	None	None	None	Green	64	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-San Juan Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 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: Low Tide 04:18

Weather: Overcast

COMMENTS: 1 dead bird at SJC1z

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	10/08/24	08:50	<20	<20	4	None	None	None	None	Green			Turbid		
S1	10/08/24	09:10	<20	<20	<2	None	None	None	None	Green			Turbid		
S2	10/08/24	09:40	<20	<20	<2	None	None	None	None	Green			Turbid		
DSB5	10/08/24	09:50	20	60	20	None	None	None	None	Green	64		Turbid		
S3	10/08/24	09:15	20	<20	<2	None	None	None	None	Green			Turbid		
DSB4	10/08/24	09:15	<20	<20	2	None	None	None	None	Green			Turbid		
S5	10/08/24	09:25	<20	<20	<2	None	None	None	None	Green			Turbid		
DSB1	10/08/24	09:30	20	20	6	None	None	None	None	Green			Turbid		
SJC1	10/08/24	08:53	<20	<20	<10	None	None	None	None	Green	60		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

#3

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 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 07:46

Weather: Overcast

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			
S0	10/14/24	08:00	<20	<20	2	None	None	None	None	Green		Clear			
S1	10/14/24	07:57	20	<20	2	None	None	None	None	Green		Slightly Turbid			
S2	10/14/24	09:02	<20	40	4	None	None	None	None	Green		Slightly Turbid			
DSB5	10/14/24	08:57	20	<20	10	None	None	None	None	Green		Slightly Turbid			
S3	10/14/24	08:13	<20	<20	4	None	None	None	None	Green		Slightly Turbid			
DSB4	10/14/24	08:18	<20	20	4	None	None	None	None	Green		Slightly Turbid			
S5	10/14/24	08:37	<20	100	4	None	None	None	None	Green	64	Slightly Turbid			
DSB1	10/14/24	08:40	<20	20	10	None	None	None	None	Green		Slightly Turbid			
SJC1	10/14/24	07:53	<20	<20	<10	None	None	None	None	Green		Clear			

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

Unified Beach Monitoring

#4

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 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: Low Tide 06:09

Weather: Clear

COMMENTS:

			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	10/22/24	09:15	40	20	2	None	None	None	None	Green	64	Slightly Turbid		
S1	10/22/24	09:31	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S2	10/22/24	08:52	60	100	2	None	None	None	None	Green		Slightly Turbid		
DSB5	10/22/24	08:45	<20	20	2	None	None	None	None	Green		Slightly Turbid		
S3	10/22/24	09:35	<20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB4	10/22/24	09:35	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
S5	10/22/24	09:45	20	<20	<2	None	None	None	None	Green		Slightly Turbid		
DSB1	10/22/24	09:50	20	40	<2	None	None	None	None	Green		Slightly Turbid		
SJC1	10/22/24	09:17	80	40	<10	None	None	None	None	Green		Slightly Turbid		

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

Unified Beach Monitoring

#5

South Orange County Wastewater Authority-San Juan Creek Ocean Outfall

REPORT FOR: October 2024
 REPORT DUE: December 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

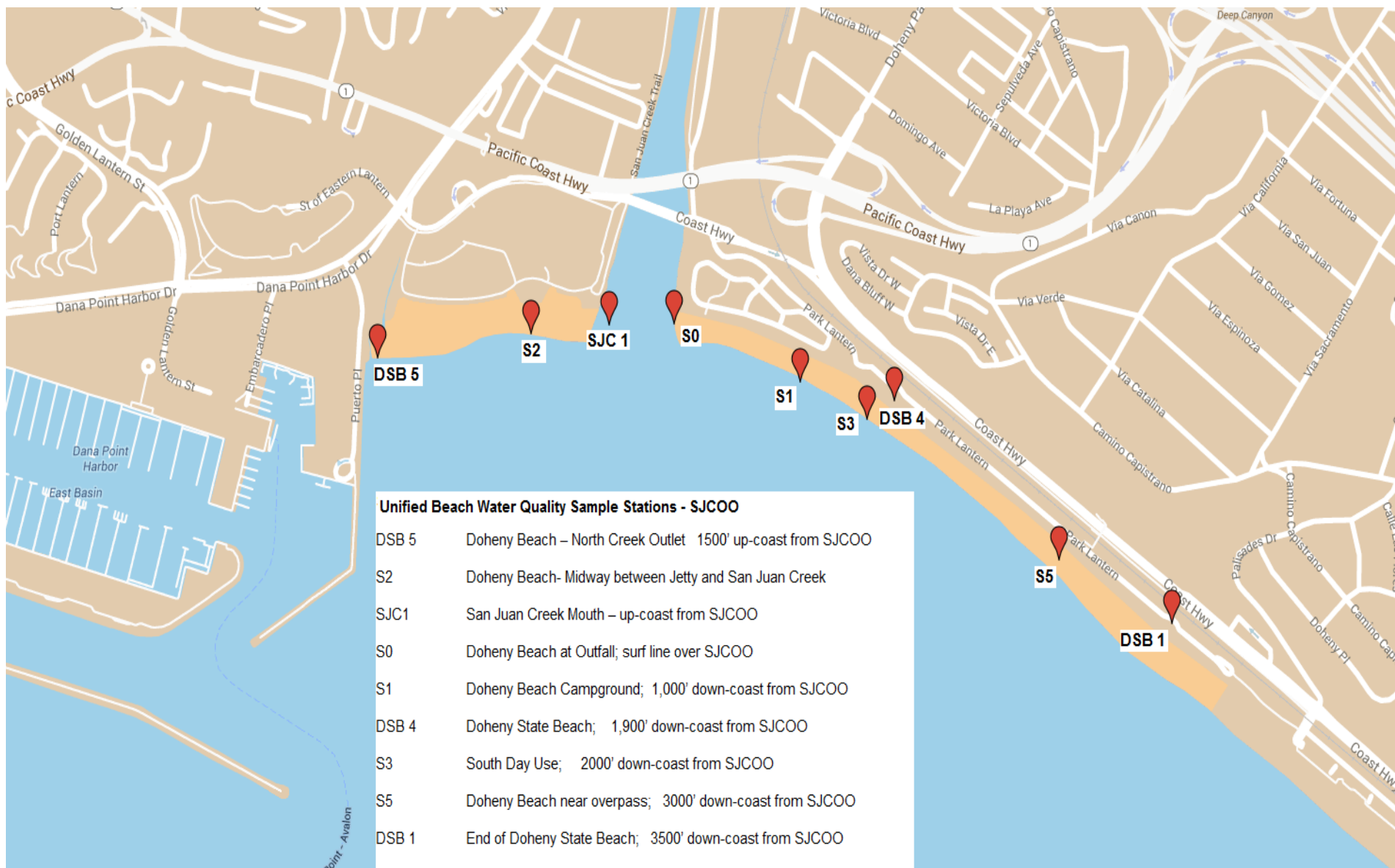
Tidal Condition: High Tide 07:38

Weather: Partly Cloudy

COMMENTS:

STATION #	DATE	TIME	Total Coliform CFU/100ml	Fecal Coliform CFU/100ml	Entero- coccus CFU/100ml	Material of Sewage Origin		Oil & Grease Odor		Water Color	H2O Temp(F)	Water Condition	Water Outlet	Birds
			SM9222B	SM9222D	EPA 1600	Onshore	Offshore							
S0	10/28/24	09:25	40	<20	4	None	None	None	None	Green	57	Slightly Turbid		
S1	10/28/24	09:15	220	80	100	None	None	None	None	Green		Slightly Turbid		
S2	10/28/24	09:45	20	<20	2	None	None	None	None	Green		Slightly Turbid		
DSB5	10/28/24	10:05	40	80	8	None	None	None	None	Green		Slightly Turbid		
S3	10/28/24	09:10	20	40	44	None	None	None	None	Green		Slightly Turbid		
DSB4	10/28/24	09:05	20	40	52	None	None	None	None	Green		Slightly Turbid		
S5	10/28/24	09:00	<20	40	10	None	None	None	None	Green		Slightly Turbid		
DSB1	10/28/24	08:50	<20	<20	36	None	None	None	None	Green		Slightly Turbid		
SJC1	10/28/24	09:35	<100	<100	10	None	None	None	None	Green		Slightly Turbid		

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



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: October 2024

Report Frequency: Monthly

Report Due: December 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

High Tide 09:18

Samples Analyzed By: SOCWA Lab

Comments:

Station No.	Sample Depth	Sample Date	Total Coliform CFU/100ml SM9222B	Fecal Coliform CFU/100ml SM9222D	Enterococcus CFU/100ml EPA 1600	Sample Time	Oil & Grease	Sewage Debris	0 - None 1 - Mild 2 - Moderate 3 - Severe
A-1	Surface	10/17/24	<2	<2	<2	09:50	0	0	
A-1	Mid depth	10/17/24	<10	<10	<10				
A-2	Surface	10/17/24	<2	<2	<2	09:46	0	0	
A-2	Mid depth	10/17/24	10	<10	<10				
A-3	Surface	10/17/24	<2	<2	<2	09:57	0	0	
A-3	Mid depth	10/17/24	<10	<10	<10				
A-4	Surface	10/17/24	2	<2	<2	10:05	0	0	
A-4	Mid depth	10/17/24	<10	<10	<10				
A-5	Surface	10/17/24	<2	<2	<2	09:51	0	0	
A-5	Mid depth	10/17/24	<10	<10	<10				
B-1	Surface	10/17/24	<2	<2	<2	09:38	0	0	
B-1	Mid depth	10/17/24	<10	<10	<10				
B-2	Surface	10/17/24	<2	2	<2	10:13	0	0	
B-2	Mid depth	10/17/24	<10	<10	<10				
N1	Surface	10/17/24	<2	<2	<2	09:27	0	0	
N2	Surface	10/17/24	<2	<2	<2	09:24	0	0	
N3	Surface	10/17/24	<2	2	<2	09:21	0	0	
N4	Surface	10/17/24	2	<2	<2	09:16	0	0	
N5	Surface	10/17/24	2	<2	<2	09:13	0	0	
N6	Surface	10/17/24	<2	<2	<2	09:10	0	0	

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

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

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

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

Compliance Summary Report
San Juan Creek Ocean Outfall 2024

SJCOO Permit Order No. R9-2024-0005							
Agency	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Potential Fine
SOCWA	10/14/2024	Settleable Solids	Daily	mL/L	3	17	\$3,000



SOCWA and MEMBER AGENCY FACILITIES
SJCOO Spill / Overflow Report Log - 2024
Order No. R9-2024-0005 ~ NPDES Permit No. CA0107417

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

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
MNWD - RTP	1/5/2024	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	
SOCWA - CTP	3/2/2024	Manganese	12-Month	mg/L	0.05	0.14	
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	3/12/2024	TDS	12 month	mg/L	1000	1251	
MNWD - RTP	3/12/2024	TDS	Daily Maximum	mg/L	1100	1430	
MNWD - RTP	3/12/2024	Manganese	12-Month	mg/L	0.05	0.130	
SOCWA - CTP	3/2/2024	TDS	Daily Maximum	mg/L	1200	1241	
SOCWA - CTP	3/2/2024	Manganese	12-Month	mg/L	0.05	0.08	
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	4/10/2024	TDS	12 month	mg/L	1000	1257	
MNWD - RTP	4/10/2024	TDS	Daily Maximum	mg/L	1100	1440	
MNWD - RTP	4/10/2024	Manganese	12-Month	mg/L	0.05	0.130	
SOCWA - CTP	4/3/2024	TDS	Daily Maximum	mg/L	1200	1500	
SOCWA - CTP	4/3/2024	Manganese	12-Month	mg/L	0.05	0.09	
MNWD - 3A	10/2/2023	TDS	12-Month	mg/L	1000	1055	Offline
MNWD - 3A	10/2/2023	Manganese	12-Month	mg/L	0.05	0.09	Offline
MNWD - RTP	6/3/2024	TDS	12 month	mg/L	1000	1285	
MNWD - RTP	6/3/2024	TDS	Daily Maximum	mg/L	1100	1310	
MNWD - RTP	6/3/2024	Manganese	12-Month	mg/L	0.05	0.130	

Waste Discharge Requirement Order 97 - 52

Agency - Facility	Violation Date	Constituent	Effluent Limit Violation	Units	Permit Limit	Reported Value	Remarks
SOCWA - CTP	6/3/2024	Manganese	12-Month	mg/L	0.05	0.09	
MNWD - 3A	6/3/2024	TDS	12-Month	mg/L	1000	1117	
MNWD - 3A	6/3/2024	Manganese	12-Month	mg/L	0.05	0.10	
MNWD - 3A	7/8/2024	TDS	12-Month	mg/L	1000	1186	
MNWD - 3A	7/8/2024	TDS	Daily Maximum	mg/L	1100	1190	
MNWD - 3A	7/8/2024	Manganese	12-Month	mg/L	0.05	0.11	
MNWD - RTP	8/1/2024	TDS	12 month	mg/L	1000	1295	
MNWD - RTP	8/1/2024	TDS	Daily Maximum	mg/L	1100	1210	
MNWD - RTP	8/1/2024	Manganese	12-Month	mg/L	0.05	0.130	
SOCWA - CTP	8/1/2024	Manganese	12-Month	mg/L	0.05	0.10	
MNWD - RTP	8/1/2024	TDS	12 month	mg/L	1000	1303	
MNWD - RTP	8/1/2024	TDS	Daily Maximum	mg/L	1100	1210	
MNWD - RTP	8/1/2024	Manganese	12-Month	mg/L	0.05	0.130	
MNWD - RTP	9/5/2024	TDS	12 month	mg/L	1000	1308	
MNWD - RTP	9/5/2024	TDS	Daily Maximum	mg/L	1100	1250	
MNWD - RTP	9/5/2024	Manganese	12-Month	mg/L	0.05	0.137	
SOCWA - CTP	9/3/2024	Manganese	12-Month	mg/L	0.05	0.09	
MNWD - RTP	10/14/2024	TDS	12 month	mg/L	1000	1298	
MNWD - RTP	10/14/2024	TDS	Daily Maximum	mg/L	1100	1100	
MNWD - 3A	10/2/2024	TDS	12 month	mg/L	1000	1213	
MNWD - 3A	10/2/2024	TDS	Daily Maximum	mg/L	1100	1170	
MNWD - RTP	10/14/2024	Manganese	12-Month	mg/L	0.05	0.140	
MNWD - 3A	10/2/2024	Manganese	12-Month	mg/L	0.05	0.100	
SOCWA - CTP	10/8/2024	Manganese	12-Month	mg/L	0.05	0.09	

Recycled Water Report

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

QUARTERLY RECYCLED WATER MONITORING

Monitoring Period Ending:

Oct 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	967	-	948	879	1213	1298	1093
Chloride	mg/L	375	217	-	232	244	247	255	250
Sulfate	mg/L	400	321	-	241	188	360	359	333
Sodium	mg/L	None	54	-	167	177		178	187
Alkalinity	mg/L	None	-	-	-	-		251	199
Adjusted SAR	Ratio	None	4.18	-	4.74	5.12	2.85	3.93	4.20
Iron	mg/L	0.3	.05	-	.13	.05	.19	.20	.14
Manganese	mg/L	0.05	.00	-	.03	.01	0.10	.14	.09
MBAS	mg/L	0.5	ND	-	ND	ND	0.00	<0.10	<0.10
Boron	mg/L	0.75	.31	-	.25	.27	.30	.30	.28
Fluoride	mg/L	None	.76	-	.72	.78	.71	.72	.72
Total Organic Carbon	mg/L	None	6.10	-	7.90	6.70	3.20	7.90	7.70

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

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

Facility	MNWD - RTP				MNWD - 3A		TCWD		IRWD - LAWRP		SMWD - Chiquita WRP 4			SCWD - CTP
	Compost Nursery Products	Compost South Kern	Liberty Composting	Landfill 1	Landfill Holloway Kern 2	Landfill 1	Landfill Otay Mesa	Landfill 1	Synagro	Landfill 1	South Kern Compost	Compost Nursery Products 5	Landfill 1	Landfill 3
Month	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
Jan 24	429.67	756.88	.00	.00	157.47	.00	.00	112.42	.00	8.05	.00	691.51	157.35	8.05
Feb 24	428.31	728.69	.00	.00	144.65	.00	.00	20.18	.00	7.35	.00	630.96	84.12	9.81
Mar 24	303.07	780.72	.00	32.11	160.32	.00	.00	49.14	.00	7.48	.00	645.06	147.73	9.57
Apr 24	326.84	746.74	.00	86.00	158.53	.00	.00	24.64	.00	7.66	.00	560.22	126.54	7.07
May 24	328.56	758.49	.00	75.05	161.33	.00	.00	79.00	.00	5.65	.00	353.13	346.05	7.03
Jun 24	300.65	747.29	.00	70.39	126.95	.00	.00	33.00	.00	6.93	.00	363.84	312.66	7.18
Jul 24	324.94	739.23	.00	26.17	152.34	.00	.00	32.50	.00	11.36	.00	422.63	347.29	14.45
Aug 24	248.10	800.33	.00	23.20	191.67	.00	.00	32.53	.00	5.16	.00	422.63	311.93	7.24
Sep 24	352.66	724.22	.00		143.76	.00	.00	38.03	.00	5.21	.00	644.06	300.93	.00
Oct 24	326.26	769.11	.00	23.02	156.43	.00	.00	32.58	.00	4.43	.00	709.44	221.09	7.44
Nov 24														6.00
Dec 24														
Total	3369.06	7551.70	.00	335.94	1553.45	.00	.00	454.02	.00	69.28	.00	5443.48	2355.69	77.84
Average	336.91	755.17	.00	37.33	155.35	.00	.00	45.40	.00	6.93	.00	544.35	235.57	7.78

1 Landfill figure includes biosolids to Prima Deshacha, and grit/screenings are disposed of at Simi Valley Landfill

2 3A Treatment Plant sends biosolids to Holloway Environmental

3 SCWD-CTP pumps thickened waste activated sludge to the JRP for treatment. Only grit and screenings are collected and hauled by private contractor.

4 Santa Margarita Water District's Oso Creek WRP and Nichols WRP do not handle any solids. The solids from the OCWRP are extracted from the treatment process and sent to the SOCWA J.B. Latham Facility in Dana Point via the Oso Trabuco Line (raw sewage pipeline) for treatment. Solids from the Nichols WRP are vactored and trucked out as needed and treated at the SMWD Chiquita WRP.

5 Biosolids are composted in Pima County, Arizona

Pretreatment Report

Agenda Item

5.E.

Legal Counsel Review: No

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Katie Greenwood, Source Control Manager

SUBJECT: Monthly Pretreatment Report – November 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. Please see “Summary of IWS Activities” table below.

On November 13, 2024, SOCWA and Fuscoe Engineering staff met virtually with San Diego Water Board–Storm Water Management staff to discuss required updates for maintaining compliance under the alternative compliance options outlined in Attachment I of the Industrial General Permit. The required updates include RTP and CTP SWPPP amendments to: (1) add an addendum addressing the applicability of all items under Attachment I, along with a memo discussing the model used in the hydrology report; and (2) directly attach updated O&M Plans with new pictures and descriptions.

Permit Related Activities

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

SMWD – Mission Riding Park - Staff received a WD permit application on October 14, 2024, for permanent connection of six horse wash rack stations. The application is under review and staff is working with District staff to draft a permit.

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 November 14, 2024, SOCWA provided a tour of its Coastal Treatment Plant to new key City of Laguna Beach staff.

Inspections

SCWD – On November 4, 2024, SOCWA staff conducted an inspection of the Dana Point Shipyard permitted under WD Permit #SCWD-2-001. During the inspection, the inspector observed a hauler on-site performing the required pumping and maintenance of the clarifier in compliance with the permit. No findings requiring corrective action were identified.

MNWD – On November 14, 2024, SOCWA staff met with Mission Viejo Country Club staff to inspect and collect samples from both RO treatment units permitted under WD Permit No. MNWD-4-013-06-26. No inspection findings requiring corrective action were identified. SOCWA received its sampling results on November 21, 2024, and all data is compliant.

Enforcement

SMWD – Applied Medical Passivation Building R103 (WD Permit #SMWD-1-003) – On November 21, 2024, SOCWA staff issued a notice on non-compliance (NON) for exceeding the limit for zinc at sampling location 002 on October 1, 2024. The contract lab reported the sample result to Applied Medical on October 7, 2024, and Applied Medical reported the exceedance by email to SOCWA on October 8, 2024, within 24 hrs. of becoming aware of the violation as required by permit language. Applied Medical confirmed that maintenance of the system was performed and sample location 002 was resampled on October 23, 2024. The lab reported the resampling results to Applied Medical on October 27, 2024, and zinc measured in compliance with permit limits. Applied Medical reported the resampling results to SOCWA on October 28, 2024. Therefore, the resampling and reporting of the compliant results were provided to SOCWA within 30-days of becoming aware of the violation as required by permit language. SOCWA considers this enforcement action resolved.

Summary of IWS Activities in SOCWA's Service Area - YTD through November 25, 2024

MA IUs	Events	Permits	NIWD	BMPs	FSEs	OSEs	DSEs	Closed	Enforcement	Total IUs
CLB (S)	0	2	2	5	8	110	15	0	0	143
CSC (S)	26	11	35	18	189	1263	38	4	0	1554
CSJC (S)	12	0	27	59	143	1693	30	1	0	1952
ETWD (M)	10	0	88	0	260	137	50	2	0	491
EBSD (U)	0	1	0	0	0	0	0	0	0	1
IRWD (S)	1	5	51	21	63	915	18	0	0	1073
MNWD (S)	90	5	120	38	653	2140	151	26	2	3107
SMWD (S)	44	9	19	20	215	844	52	11	2	1159
SCWD (S)	0	7	33	7	148	186	15	0	2	397
TCWD (S)	0	0	11	0	7	33	2	0	0	51
SOCWA (S)	0	5	1	0	0	0		0	3	6
Totals	183	45	387	168	1686	7321	371	44	9	9934

(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.F.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Roni Grant, Associate Engineer

SUBJECT: Capital Improvement Program Status Report (November)

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 Treatment Plant Scum Line Replacement

Replacement of the scum line at Aeration Basin No. 1 in Plant 1

The Notice to Proceed (NTP) has been issued to SS Mechanical.

J.B. Latham Treatment Plant Electrical System Upgrades

Replacement of MCC-M and Plant 1 Standby Generator

Pre-Purchasing is underway for the MCC and standby generator.

J.B. Latham Treatment Plant and Coastal Treatment Plant SCADA System Upgrades

SCADA system upgrades at the two treatment plants.

Submittal reviews are underway.

Coastal Treatment Plant Diffusers Upgrades

Replacement of diffusers and air headers in the aeration basins

The contractor has completed the installation of fine-bubble diffusers in the first four basins.

Coastal Treatment Plant Aeration Deck Grating Replacement

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

The Notice to Proceed (NTP) has been issued to SS Mechanical.

Regional Treatment Plant Flare System Upgrades

Installation of flare ignition and flame detection control system

The first phase of the flare system upgrade has been completed.

Recommended Action: Information Item.

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

Project Number	Project Name	Project Budget	Status	FY 2024/2025				FY 2025/2026			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
PC 2 - J.B. Latham Treatment Plant											
3222/3234	Centrate Piping Reconstruction	\$ 309,148	Construction complete								
32231C	Process Water Repiping	\$ 50,000	Design underway	D	D	B&A	C				
3215/3252	MCC M and Plant 1 Generator Replacement	\$ 2,623,000	Pre-procurement and design underway	D	D	B&A	C	C	C	C	C
3285	Main Plant Drain Line Reconstruction	\$ 165,736	Design underway	D	D	B&A	C	C	C		
32224L	Chlorine Contact Basin Isolation Gates and Structural Rehab	\$ 165,736	Design underway	D	D	B&A	C				
32241L	Effluent Pump Station Storage and Staging Area	\$ 250,000	Planning/design underway	P	P	D	D	B&A	C	C	C
32226L	Effluent Pump Station Upgrades	\$ 950,000	Design underway	D	D	B&A	C	C	C		
32243L	Plant 2 Headworks Rehabilitation	\$ 200,000	Design underway	D	D	D	B&A	C	C	C	C
32261L	Plant 1 and 2 Grit Assessment	\$ 50,000	FY 25/26					CA			
32244L	Plant 2 Primary Clarifier Condition Assessment	\$ 50,000	Condition Assessment complete	CA							
32233S	Scum Line Replacement	\$ 150,000	Construction underway	B&A	C	C	C				
32262L	DAF Polymer System Upgrade	\$ 741,000	FY 25/26					P	P	D	D
3216/32225C /32225S	Energy Building Upgrades	\$ 1,955,000	Design underway	D	D	B&A	C	C			
32232S	Buried Digester Gas and Flare Piping Improvements	\$ 125,000	RFP issued	P	D	D	D	B&A	C	C	C
32234S	Heat Exchanger 4 Pipe Replacement	\$ 75,000	Preparing RFP	P	D	D	D	B&A	C	C	C
32224S	MCC 2 and CF Reconstruction	\$ 3,000,000	FY 25/26					P	P	D	D
32231S	Gas Flare Replacement	\$ 2,000,000	RFP issued	P	D	D	D	B&A	C	C	C
32261S	Odor Control Scrubber No. 2 Replacement	\$ 2,000,000	FY 25/26					P	P	D	D
32262S/32264S	Dewatering System Replacement	\$ 1,056,490	FY 25/26					P	P	D	D
32263S	Buried Digester Piping Reconstruction	\$ 250,000	RFP issued	P	D	D	D	B&A	C	C	C
32243C	SCADA Server Replacement	\$ 200,000	Contract awarded	B&A	C	C	C				
PC 15 - Coastal Treatment Plant											

SOCWA CIP Workplan

Project Number	Project Name	Project Budget	Status	FY 2024/2025				FY 2025/2026			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
3541A	Export Sludge Environmental Mitigation	\$ 1,392,100	Mitigation work/permitting ongoing	ENV	ENV	ENV	ENV				
352601	Grit Baffles and Diffusers	\$ 200,000	FY 25/26					D	D	B&A	C
352602/352603	East Primary Tank Sludge Piping, Troughs and Scum Skimmers	\$ 275,000	FY 25/26					P	D	D	D
3543	Export Sludge Pipeline Replacement at RTP	\$ 400,000	FY 25/26					P	D	D	D
35246L/35239L	West Primary and Secondary Sludge Skimmers and Launderers/Weirs	\$ 1,100,000	Pre-procurement underway	B&A	C	C	C				
35247L	Aeration Blower System Upgrades	\$ 75,000	Design proposal under review	D	D	D	B&A	C	C	C	C
35246L/35239L	West Primary and Secondary Sludge Skimmers and Launderers/Weirs	\$ 1,100,000	Pre-procurement underway	B&A	C	C	C				
35229L/35235L	Odor Control Scrubber/Foul Air System Reconstruction	\$ 1,650,000	Contract awarded	D	D	D	B&A	C	C	C	C
3522AL	Drainage Pump Station	\$ 4,200,000	Final design underway	D	D	D	B&A	C	C	C	
3525	Personnel Building Reconstruction	\$ 471,586	Phase 1 contract awarded	D	D	B&A	C	C	C	C	C
35233L/35236L	Scum Pump Station and Wet well	\$ 300,000	FY 25/26					P	D	D	D
35234L	RAS/WAS Pump Station Repair	\$ 100,000	FY 25/26					P	P	D	D
35237L	Electrical Manhole/Cable Project	\$ 85,000	FY 25/26					P	P	D	D
352604	EQ Tank Liner Rehabilitation	\$ 300,000	FY 25/26		D	B&A	C	C	C		
35248L	Access Road Repaving	\$ 950,000	Preparing bidding documents		D	D	B&A	C	C	C	C
35221L	Auxiliary Blower Building Roof	\$ 100,000	Reviewing bids	B&A	C	C					
35228L	Aeration Diffuser Replacement	\$ 1,250,000	Construction underway	C	C						
35245L	Grating Replacement on Aeration/Secondary Deck	\$ 50,000	Contract awarded	B&A	C	C	C				
35249L	SCADA Server Replacement	\$ 200,000	Contract awarded	B&A	C	C	C				
PC 17 - Regional Treatment Plant											
3742	Aeration System Upgrades	\$ 2,500,000			D	D	B&A	C	C	C	C
3722CL	Aeration Basin, Gate and Blower Upgrades	\$ 710,000	FY 25/26					P	D	D	D
3722BL	Mixed Liquor Channel Design	\$ 284,154	FY 25/26					P	D	D	D
3776	Effluent Pond Gate Replacement	\$ 499,772	FY 25/26					P	D	D	
3756	Secondary Clarifier Safety Repair	\$ 165,249	FY 25/26					P	D	D	D

SOCWA CIP Workplan

Project Number	Project Name	Project Budget	Status	FY 2024/2025				FY 2025/2026			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
37233L	Secondary Scum Pump Station Reconstruction	\$ 671,364	FY 25/26					P	D	D	D
37234L	RAS System Upgrades	\$ 58,035	FY 25/26					P	D	D	D
3722AL/37236S /3779/37244C	MCC Replacement/Power System Improvements	\$ 2,337,197	Design underway	D	D	D	B&A	C	C	C	C
372608	Odor Control Scrubber No. 1 Replacement	\$ 5,877,879	FY 25/26					P	P	D	D
372609	Odor Control Scrubber No. 2 Replacement	\$ 2,927,673	FY 25/26					P	P	D	D
37241L	Grit/Primary Grating/Gate Replacement	\$ 150,000	Design underway	D	D	D	B&A	C	C		
37242L	Aeration Influent/Effluent Gate Replacement	\$ 100,000	Design underway	D	D	D	B&A	C	C		
37203C	Administration Building Repair	\$ 60,000		D	D	D	B&A	C	C	C	
37229C	Laboratory Reconstruction Assessment	\$ 176,500	Assessment underway	P	P	P	P				
372610	Laboratory Reconstruction Construction	\$ 1,042,416	FY 25/26					D	D	D	B&A
37203C	Administration Building Repair	\$ 60,000		D	D	B&A	C	C	C	C	C
3790	Solids Area Upgrade Design	\$ 273,323	FY 25/26			D	D	D	B&A	C	C
37245S	Digester Gas System Improvements	\$ 200,000	Flare system upgrades underway	P	P	D	D	D	B&A	C	C
37246S	Digester 1 Piping Replacement	\$ 250,000	Condition assessment complete	CA	D	D	D	B&A	C	C	C
37243C	SCADA Server Replacement	\$ 200,000		B&A	C	C	C				
PC 21 - Effluent Transmission Main											
3105/3106/ 3107/3108	Air Valve Replacement	\$ 911,424	Design underway	D	ENV	ENV	B&A	C	C		
3101/31221B	Trail Bridge Crossing	\$ 1,947,284	Planning/design underway	P	P	P	P	ENV	ENV	ENV	ENV
PC 24 - Aliso Creek Ocean Outfall											
34222O	Golf Course Road	\$ 45,000		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.G.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Roni Grant, Associate Engineer

SUBJECT: Capital Improvement Construction Projects Progress and Change Order Report (November) [Project Committees 2, 15 and 17]

Overview

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

Project Updates

JBL Scum Line Replacement

The Notice to Proceed (NTP) has been issued to SS Mechanical.

JBL Electrical Upgrades

Pre-Purchasing of MCC and Plant 1 Generator is underway.

JBL and CTP SCADA System

Submittal reviews are underway.

CTP Diffusers Replacement

The contractor completed the installation of fine-bubble diffusers in the first four basins.

CTP Aeration Deck Grating Replacement

The Notice to Proceed (NTP) has been issued to SS Mechanical.

CTP West Primary and Secondary Scum Skimming System

Pre-Purchasing of scum skimmers, launders and weirs is underway.

RTP Flare System Upgrades

The first phase of the flare system upgrade has been completed.

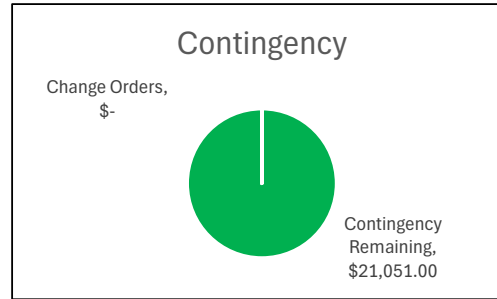
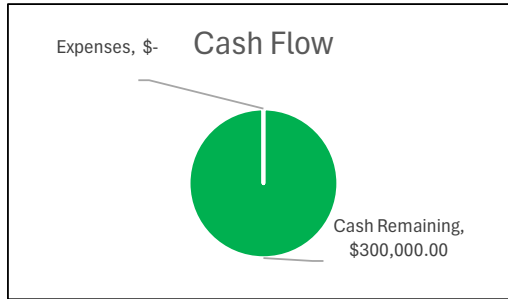
Recommended Action: Information Item.

Project Financial Status

Project Committee	2
Project Name	Scum Line Replacement - 32233S
Project Description	Replacement of scum line at Plant 1 aeration basin.

Data Last Updated

November 4, 2024

**Cash Flow**

Collected	\$ 300,000.00
Expenses	\$ -

Project Completion

Schedule	0%
Budget	0%

Contracts

Company	PO No.	Original	Change Orders*	Total	Costs to Date
S&S Mechanical	20557	\$ 278,949.00		\$ 278,949.00	
Project Partners	20164	\$ 10,000.00		\$ 10,000.00	
Steve Andrews	20332	\$ 5,232.00		\$ 5,232.00	
SOCWA Staff Time	32233S			\$ -	
		\$ 294,181.00	\$ -	\$ 294,181.00	\$ -

*Values include change orders to be reviewed by Engineering Committee

Contingency

Area	Project Code	Amount	Change Orders*	Total Remaining	Percent Used
Solids	32233S	\$ 21,051.00		\$ 21,051.00	0.0%
		\$ 21,051.00	\$ -	\$ 21,051.00	0.0%

*Values include change orders to be reviewed by Engineering Committee

Change Orders

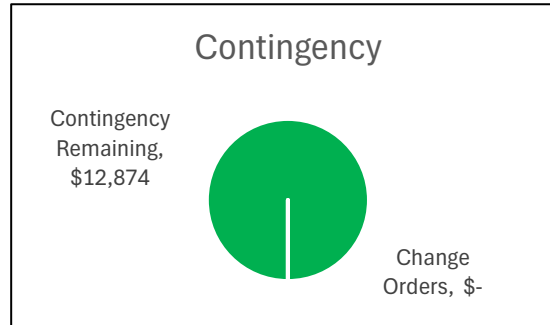
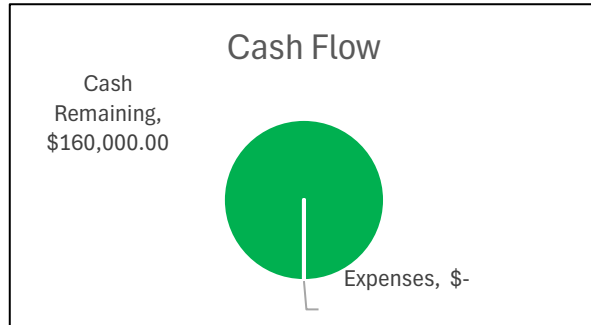
<u>Change Order No.</u>	<u>Vendor Name</u>	<u>Project ID</u>	<u>Description</u>	<u>Status Date</u>	<u>Days</u>	<u>Amount</u>
						\$ -

Project Financial Status

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

Data Last Updated

November 4, 2024



Cash Flow

Collected	\$ 160,000.00
Expenses	\$ -

Project Completion

Schedule	0%
Budget	0%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
SS Mechanical	20588	\$ 147,126.00			\$ 147,126.00	
Project Partners	20164	\$ 5,000.00			\$ 5,000.00	
Steve Andrews	20332	\$ 2,818.00			\$ 2,818.00	
SOCWA Staff Time	35245L					
		\$ 154,944.00	\$ -	\$ -	\$ 154,944.00	\$ -

**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	35245L	\$ 12,874.00		\$ 12,874.00	0.0%
		\$ 12,874.00	\$ -	\$ 12,874.00	0.0%

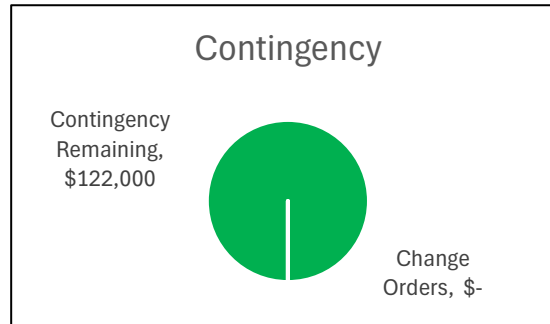
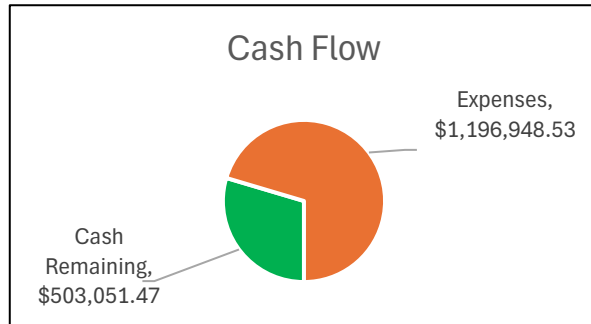
Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
						\$ -
						\$ -

Project Financial Status

Project Committee	15
Project Name	Aeration Diffusers Replacement - 35228L
Project Description	Replacement of diffusers in the aeraiton tanks.

Data Last Updated

November 4, 2024

**Cash Flow**

Collected	\$ 1,700,000.00
Expenses	\$ 1,196,948.53

Project Completion

Schedule	85%
Budget	88%

Construction Contracts

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Filanc	19640	\$ 1,022,250.00			\$ 1,022,250.00	\$ 855,059.88
EDI	16620	\$ 250,490.00			\$ 250,490.00	\$ 250,490.00
Hazen	17256/19641	\$ 93,578.00			\$ 93,578.00	\$ 46,670.00
SOCWA Staff Time	35228L					\$ 44,728.65
		\$ 1,366,318.00	\$ -	\$ -	\$ 1,366,318.00	\$ 1,196,948.53

**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	4/4/2024	273	\$ -
						\$ -

Agenda Item

5.H.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Financial Reports for the Month of September 2024 & Cash Disbursements for the Months of July 2024, August 2024 & September 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:

- a. Summary of Disbursements for July, August, & September 2024 (Exhibit A)
- b. Schedule of Funds Available for Reinvestment (Exhibit B)
 - Local Agency Investment Fund (LAIF)
- c. Schedule of Cash and Investments (Exhibit C)
- d. Capital Schedule (Exhibit D)
 - Capital Projects – Graph (Exhibit D-1)
- e. 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

July 2024 cash disbursements were \$5,130,733.

August 2024 cash disbursements were \$2,156,406.

September 2024 cash disbursements were \$1,865,535.

- Monthly disbursements are summarized in the attached Exhibit A.1, A.2 & A.3.
- The attached Exhibits B, C, D, and E are informational reports only.

Recommended Action: Staff recommends that the Finance Committee recommend that the Board of Directors (i) receive and file the September 2024 Financial Reports, (ii) ratify the July 2024 disbursement for the period from July 1, 2024, through July 31, 2024, totaling \$5,130,733, (iii) ratify the August 2024 Disbursement for the period from August 1, 2024, through August 31, 2024, totaling \$2,156,406, and (iv) ratify the September 2024 Disbursement for the period from September 1, 2024, through September 30, 2024, totaling \$1,865,535.

Exhibit A.1

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

	Actual
General Fund	\$ (3,096,285)
PC 2 - Jay B. Latham Plant	(723,170)
PC 5 - San Juan Creek Ocean Outfall	(33,697)
PC 8 - Pretreatment Program	(5,065.18)
PC 12 SO - Water Reclamation Permits	(7,328)
PC 15 - Coastal Treatment Plant/AWT	(513,816)
PC 17 - Joint Regional Wastewater Reclamation	(704,899)
PC 21 - Effluent Transmission Main	(7,370)
PC 23 - North Coast Interceptor	-
PC 24 - Aliso Creek Ocean Outfall	(39,103)
Total	\$ (5,130,733)

Exhibit A.2

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

	Actual
General Fund	\$ (703,927)
PC 2 - Jay B. Latham Plant	(523,728)
PC 5 - San Juan Creek Ocean Outfall	(13,056)
PC 8 - Pretreatment Program	(832.50)
PC 12 SO - Water Reclamation Permits	(16,965)
PC 15 - Coastal Treatment Plant/AWT	(228,944)
PC 17 - Joint Regional Wastewater Reclamation	(644,044)
PC 21 - Effluent Transmission Main	(7,125)
PC 23 - North Coast Interceptor	-
PC 24 - Aliso Creek Ocean Outfall	(17,783)
Total	<u>\$ (2,156,406)</u>

Exhibit A.3

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

	Actual
General Fund	\$ (933,289)
PC 2 - Jay B. Latham Plant	(245,177)
PC 5 - San Juan Creek Ocean Outfall	(27,444)
PC 8 - Pretreatment Program	(469.36)
PC 12 SO - Water Reclamation Permits	(138)
PC 15 - Coastal Treatment Plant/AWT	(294,654)
PC 17 - Joint Regional Wastewater Reclamation	(338,299)
PC 21 - Effluent Transmission Main	(14,862)
PC 23 - North Coast Interceptor	-
PC 24 - Aliso Creek Ocean Outfall	(11,201)
Total	\$ (1,865,535)

Exhibit B

**SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
SCHEDULE OF FUNDS AVAILABLE FOR REINVESTMENT
as of September 30, 2024**

CASH IN BANK: (BEGINNING BAL.)	\$ 1,104,638
L.A.I.F. FUNDS: (BEGINNING BAL.)	13,079,480
DEPOSITS, TRANSFERS & ADJUSTMENTS:	151,413
FUND REQUIREMENTS: BILLS FOR CONSIDERATION	<u>(1,865,535)</u>
TOTAL CASH IN BANK	<u>\$ 12,469,996</u>

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.

Amber Boone
Acting General Manager

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 10/02/24



Quarterly Performance Quarter Ended 06/30/24

LAIF Apportionment Rate ⁽²⁾ :	4.55
LAIF Earnings Ratio ⁽²⁾ :	0.00012419067099490
LAIF Administrative Cost ^{(1)*} :	0.16
LAIF Fair Value Factor ⁽¹⁾ :	0.996316042
PMIA Daily ⁽¹⁾ :	4.52
PMIA Quarter to Date ⁽¹⁾ :	4.36
PMIA Average Life ⁽¹⁾ :	217

PMIA Average Monthly Effective Yields⁽¹⁾

September	4.575
August	4.579
July	4.516
June	4.480
May	4.332
April	4.272

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 8/31/24 \$163.4 billion

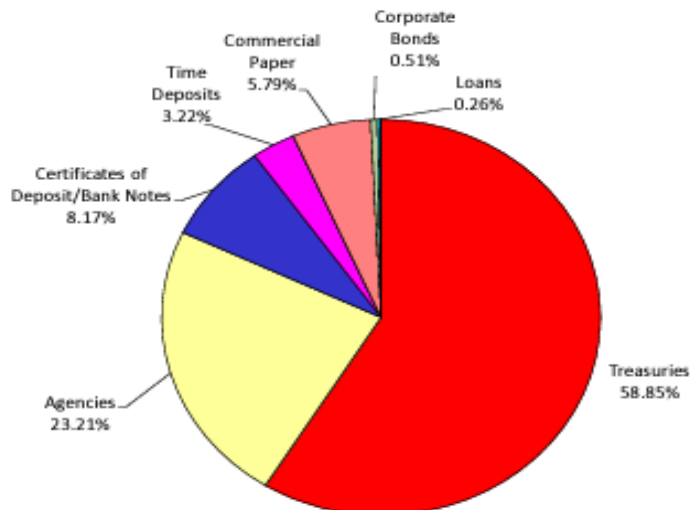


Chart does not include \$1,368,000.00 in mortgages, which equates to 0.001%. Percentages may not total 100% due to rounding.

Daily rates are now available here. [View PMIA Daily Rates](#)

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) and interest earned on the Wildfire Fund loan pursuant to Public Utility Code 3288 (a).

*The percentage of administrative cost equals the total administrative cost divided by the quarterly interest earnings. The law provides that administrative costs are not to exceed 5% of quarterly EARNINGS of the fund. However, if the 13-week Daily Treasury Bill Rate on the last day of the fiscal year is below 1%, then administrative costs shall not exceed 8% of quarterly EARNINGS of the fund for the subsequent fiscal year.

Source:

⁽¹⁾ State of California, Office of the Treasurer

⁽²⁾ State of California, Office of the Controller

Exhibit C

**South Orange County Wastewater Authority
Schedule of Cash and Investments
as of September 30, 2024**

MVA	\$ 13,273	(A)
A/P Checking	1,413,860	(B)
Payroll Checking	53,383	(C)
State LAIF	10,989,480	(D)
Total Cash in Bank¹	\$ 12,469,996	
Petty Cash	1,600	(E)
Total Operating Cash	\$ 12,471,596	
OPEB Trust	7,422,570	(F)
Total Cash and Investments	\$ 19,894,166	

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.

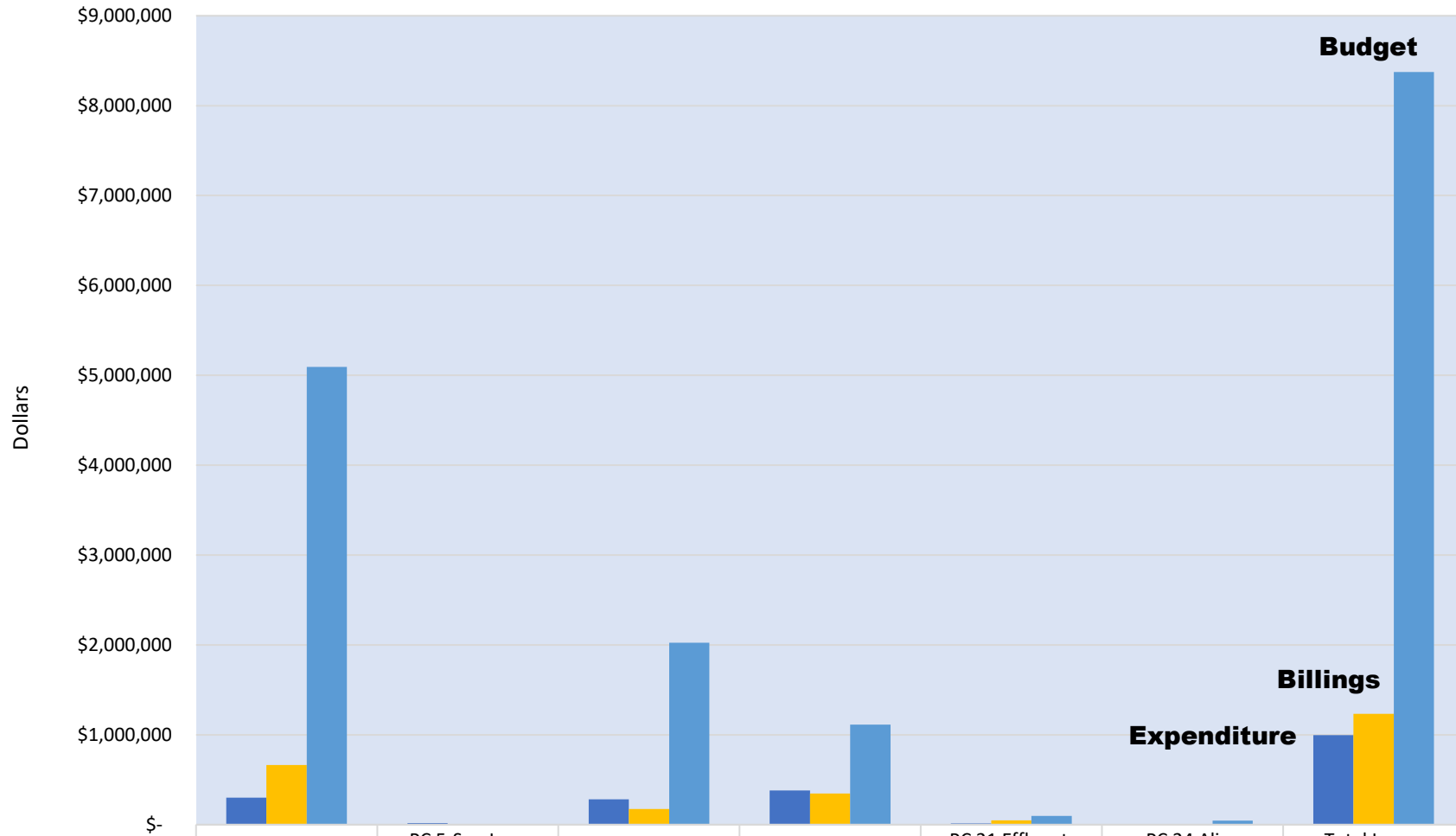
Notes:

- (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 September 30, 2024
(in dollars)**

FY 2024-25 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	\$ 5,092,547	\$ 299,877	\$ 4,792,670	5.9%	\$ 663,835	\$ 338,933	\$ 324,902	45.2%
PC 5-San Juan Creek Outfall	-	17,305	(17,305)	-	-	-	-	-
PC 15-Coastal	2,025,000	281,124	1,743,876	13.9%	175,000	108,656	66,344	160.6%
PC 17-Regional	1,114,393	381,901	732,492	34.3%	346,463	326,021	20,442	110.2%
PC 21 Effluent Transmission	96,632	14,823	81,809	15.3%	49,403	49,403	-	30.0%
PC 24 Aliso Creek Outfall	45,000	1,900	43,100	4.2%	-	-	-	-
Total Large Capital	\$ 8,373,572	\$ 996,929	\$ 7,376,643	11.9%	\$ 1,234,701	\$ 823,013	\$ 411,688	80.7%
Non-Capital Engineering	302,000	-	302,000	0.0%	75,500	52,102	23,398	-
Non-Capital Misc Engineering	-	-	-	-	-	-	-	-
Small Internal Capital	2,061,000	369,267	1,691,734	17.9%	515,250	361,502	153,748	71.7%
Total Capital	\$ 10,736,572	\$ 1,366,196	\$ 9,370,376	12.7%	\$ 1,825,451	\$ 1,236,617	\$ 588,834	74.8%

Large Capital Projects Fiscal Year 2024-25 Budget vs. Exhibit D-1 Year-to-Date Expenditures & Billings as of 09/30/2024



	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 09/30/2024	\$299,877	\$17,305	\$281,124	\$381,901	\$14,823	\$1,900	\$996,929
FY 24-25 Billings	\$663,835	\$-	\$175,000	\$346,463	\$49,403	\$-	\$1,234,701
Capital Budget FY 24-25	\$5,092,547	\$-	\$2,025,000	\$1,114,393	\$96,632	\$45,000	\$8,373,572

South Orange County Wastewater Authority
Preliminary O & M & Environmental Safety Costs Summary¹
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended	
Salary and Fringe						
_5000--***	Regular Salaries-O&M	5,706,265	1,292,345	4,413,920	22.6%	
_5001--***	Overtime Salaries-O&M	65,000	17,647	47,353	27.1%	(1)
_5306--***	Scheduled Holiday Work	30,000	6,385	23,615	21.3%	
_5315--***	Comp Time - O&M	15,000	10,019	4,981	66.8%	(1)
_5401--***	Fringe Benefits IN to PC's & Depts.	3,071,493	695,626	2,375,867	22.6%	
_5700--***	Standby Pay	99,992	26,400	73,592	26.4%	
	Total Payroll Costs	8,987,750	2,048,422	6,939,328	22.8%	
Other Expenses						
_5002--***	Electricity	1,299,100	450,444	848,655	34.7%	(2)
_5003--***	Natural Gas	509,860	83,410	426,450	16.4%	
_5004--***	Potable & Reclaimed Water	79,400	14,916	64,484	18.8%	
_5005--***	Co-generation Power Credit	(1,367,100)	(410,426)	(956,674)	30.0%	
_5006--***	Chlorine/Sodium Hypochlorite	219,300	110,820	108,480	50.5%	(3)(7)
_5007--***	Polymer Products	1,153,500	292,627	860,873	25.4%	
_5008--***	Ferric Chloride	982,500	297,843	684,657	30.3%	(7)
_5009--***	Odor Control Chemicals	181,700	57,805	123,895	31.8%	(7)
_5010--***	Other Chemicals - Misc.	2,000	-	2,000	0.0%	
_5011--***	Laboratory Services	62,128	9,222	52,906	14.8%	
_5012--***	Grit Hauling	135,800	35,809	99,991	26.4%	
_5013--***	Landscaping	217,300	51,017	166,283	23.5%	
_5015--***	Management Support Services	285,550	42,547	243,003	14.9%	
_5016--***	Audit - Environmental	1,324	-	1,324	0.0%	
_5017--***	Legal Fees	19,000	-	19,000	0.0%	
_5018--***	Public Notices/ Public Relations	1,550	-	1,550	0.0%	
_5019--***	Contract Services Misc.	364,700	51,664	313,036	14.2%	
_5021--***	Small Vehicle Expense	24,548	4,883	19,665	19.9%	
_5022--***	Miscellaneous Expense	16,068	842	15,226	5.2%	
_5023--***	Office Supplies - All	49,500	6,036	43,464	12.2%	
_5024--***	Petroleum Products	28,400	4,085	24,316	14.4%	
_5025--***	Uniforms	80,400	27,895	52,505	34.7%	(4)
_5026--***	Small Vehicle Fuel	20,404	3,589	16,815	17.6%	
_5027--***	Insurance - Property/Liability	638,224	427,811	210,413	67.0%	(5)
_5028--***	Small Tools & Supplies	80,052	15,006	65,046	18.7%	
_5030--***	Trash Disposal	10,000	1,909	8,092	19.1%	
_5031--***	Safety Program & Supplies	117,252	32,726	84,526	27.9%	
_5032--***	Equipment Rental	7,000	6,376	625	91.1%	(1)
_5033--***	Recruitment	2,300	-	2,300	0.0%	
_5034--***	Travel Expense/Tech. Conferences	69,775	5,414	64,361	7.8%	
_5035--***	Training Expense	87,050	7,592	79,458	8.7%	
_5036--***	Laboratory Supplies	140,048	27,340	112,708	19.5%	

South Orange County Wastewater Authority
Preliminary O & M & Environmental Safety Costs Summary¹
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended	
_5037--**-**	Office Equipment	27,000	8,196	18,804	30.4%	
_5038--**-**	Permits	698,551	33,082	665,469	4.7%	
_5039--**-**	Membership Dues/Fees	12,647	3,495	9,152	27.6%	
_5044--**-**	Offshore Monitoring	60,116	23,870	36,246	39.7%	(8)
_5045--**-**	Offshore Biochemistry - 20B	22,854	748	22,106	3.3%	
_5046--**-**	Effluent Chemistry	51,908	14,162	37,746	27.3%	
_5047--**-**	Access Road Expenses	45,000	264	44,736	0.6%	
_5048--**-**	Storm Damage	20,000	-	20,000	0.0%	
_5049--**-**	Biosolids Disposal	1,854,800	396,005	1,458,795	21.4%	
_5050--**-**	Contract Services Generators - 29A	23,200	3,287	19,913	14.2%	
_5052--**-**	Janitorial Services	97,900	25,427	72,473	26.0%	
_5053--**-**	Contract Serv - Digester Cleaning - 29E	65,000	-	65,000	0.0%	
_5054--**-**	Diesel Truck Maint	44,300	16,956	27,344	38.3%	
_5055--**-**	Diesel Truck Fuel	12,100	1,584	10,516	13.1%	
_5056--**-**	Maintenance Equip. & Facilities (Solids)	305,300	60,239	245,061	19.7%	
_5057--**-**	Maintenance Equip. & Facilities (Liquids)	500,000	109,296	390,704	21.9%	
_5058--**-**	Maintenance Equip. & Facilities (Common)	92,000	17,031	74,969	18.5%	
_5059--**-**	Maintenance Equip. & Facilities (Co-Gen)	826,000	179,629	646,371	21.7%	
_5060--**-**	Maintenance Equip. & Facilities (AWT)	30,000	727	29,273	2.4%	
_5061--**-**	Mileage	2,950	639	2,311	21.7%	
_5068--**-**	MNWD Potable Water Supplies & Svcs.	40,000	7,252	32,748	18.1%	
_5076--**-**	SCADA Infrastructure	93,600	-	93,600	0.0%	
_5077--**-**	IT Direct	58,000	-	58,000	0.0%	
_5105--**-**	Co-Generation Power Credit - Offset	1,367,100	410,426	956,674	30.0%	
_5309--**-**	Operating Leases	20,000	12,532	7,468	62.7%	(6)
_5705--**-**	Monthly Car Allowance	25,200	6,397	18,803	25.4%	
_5799--**-**	Zephyr Wall Costs Share-O&M	(14,000)	-	(14,000)	0.0%	
_6500--**-**	IT Allocations in to PC's & Depts.	725,880	193,664	532,216	26.7%	
	Total Other Expenses	12,626,041	3,184,111	9,441,930	25.2%	
Total O&M Expenses		21,613,791	5,232,533	16,381,258	24.2%	

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) O&M completed several nighttime repairs before the upcoming winter season.
- (2) Increased power costs at RTP due to repairs to the cogen system in July.
- (3) Increased bleach usage due to elevated AWT use at CTP during the first quarter of the new fiscal year.
- (4) Purchased winter weather supplies.
- (5) Annual charges incurred at the beginning of the fiscal year and the end of the calendar year.
- (6) Annual increases in lease costs unanticipated during the preparation of the budget.
- (7) Continued lower flows with increased sewage age septicity is increasing chemical costs to mitigate the impacts.
- (8) Exceedance of TCDD at SJCOO and unanticipated accelerated monitoring.

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
02 - Jay B. Latham Plant					
Salary and Fringe					
02-5000-**-**-**	Regular Salaries-O&M	2,090,768	424,064	1,666,705	20.3%
02-5001-**-**-**	Overtime Salaries-O&M	21,693	9,511	12,182	43.8% (1)
02-5306-**-**-**	Scheduled Holiday Work	13,820	3,963	9,857	28.7%
02-5315-**-**-**	Comp Time - O&M	7,078	3,959	3,118	55.9% (1)
02-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	1,125,391	228,259	897,132	20.3%
02-5700-**-**-**	Standby Pay	40,300	8,900	31,400	22.1%
	Total Payroll Costs	3,299,050	678,656	2,620,395	20.6%
Other Expenses					
02-5002-**-**-**	Electricity	683,100	158,557	524,543	23.2%
02-5003-**-**-**	Natural Gas	259,560	35,435	224,125	13.7%
02-5004-**-**-**	Potable & Reclaimed Water	27,000	5,800	21,200	21.5%
02-5006-**-**-**	Chlorine/Sodium Hypochlorite	40,000	18,662	21,338	46.7%
02-5007-**-**-**	Polymer Products	458,000	157,424	300,576	34.4%
02-5008-**-**-**	Ferric Chloride	300,000	118,924	181,076	39.6% (6)
02-5009-**-**-**	Odor Control Chemicals	38,000	10,004	27,996	26.3% (6)
02-5010-**-**-**	Other Chemicals - Misc.	1,000	-	1,000	0.0%
02-5011-**-**-**	Laboratory Services	20,508	715	19,793	3.5%
02-5012-**-**-**	Grit Hauling	72,600	23,347	49,253	32.2%
02-5013-**-**-**	Landscaping	70,000	15,761	54,239	22.5%
02-5015-**-**-**	Management Support Services	35,950	6,821	29,129	19.0%
02-5017-**-**-**	Legal Fees	5,000	-	5,000	0.0%
02-5019-**-**-**	Contract Services Misc.	132,900	19,797	113,103	14.9%
02-5021-**-**-**	Small Vehicle Expense	11,000	481	10,519	4.4%
02-5022-**-**-**	Miscellaneous Expense	8,000	327	7,673	4.1%
02-5023-**-**-**	Office Supplies - All	30,900	2,671	28,229	8.6%
02-5024-**-**-**	Petroleum Products	12,000	-	12,000	0.0%
02-5025-**-**-**	Uniforms	37,100	12,545	24,555	33.8%
02-5026-**-**-**	Small Vehicle Fuel	8,000	1,712	6,288	21.4%
02-5027-**-**-**	Insurance - Property/Liability	224,629	150,573	74,057	67.0% (2)
02-5028-**-**-**	Small Tools & Supplies	36,100	2,034	34,066	5.6%
02-5030-**-**-**	Trash Disposal	3,000	1,146	1,854	38.2%
02-5031-**-**-**	Safety Program & Supplies	40,840	12,767	28,073	31.3% (2)
02-5032-**-**-**	Equipment Rental	3,000	-	3,000	0.0%
02-5033-**-**-**	Recruitment	1,000	-	1,000	0.0%
02-5034-**-**-**	Travel Expense/Tech. Conferences	19,379	899	18,480	4.6%
02-5035-**-**-**	Training Expense	25,592	3,266	22,326	12.8%
02-5036-**-**-**	Laboratory Supplies	21,000	5,416	15,584	25.8%
02-5037-**-**-**	Office Equipment	14,000	2,334	11,666	16.7%
02-5038-**-**-**	Permits	29,735	31,220	(1,485)	105.0% (2)
02-5039-**-**-**	Membership Dues/Fees	4,025	1,399	2,626	34.8%
02-5049-**-**-**	Biosolids Disposal	787,500	144,486	643,014	18.3%
02-5050-**-**-**	Contract Services Generators - 29A	10,000	-	10,000	0.0%
02-5052-**-**-**	Janitorial Services	44,300	11,429	32,871	25.8%
02-5054-**-**-**	Diesel Truck Maint	23,700	8,451	15,249	35.7% (2)
02-5055-**-**-**	Diesel Truck Fuel	3,400	792	2,608	23.3%
02-5056-**-**-**	Maintenance Equip. & Facilities (Solids)	125,000	34,026	90,974	27.2%
02-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	200,000	36,518	163,482	18.3%
02-5058-**-**-**	Maintenance Equip. & Facilities (Common)	30,000	7,875	22,125	26.3%
02-5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	308,000	53,030	254,970	17.2%
02-5061-**-**-**	Mileage	1,450	281	1,169	19.4%
02-5076-**-**-**	SCADA Infrastructure	31,200	-	31,200	0.0%
02-5077-**-**-**	IT Direct	20,000	-	20,000	0.0%
02-5309-**-**-**	Operating Leases	20,000	12,532	7,468	62.7% (3)
02-5705-**-**-**	Monthly Car Allowance	8,400	2,940	5,460	35.0%
02-5799-**-**-**	Zephyr Wall Costs Share-O&M	(14,000)	-	(14,000)	0.0%
02-6500-**-**-**	IT Allocations in to PC's & Depts.	267,238	71,299	195,939	26.7%
	Total Other Expenses	4,539,107	1,183,697	3,355,410	26.1%
	Total Expenses	7,838,158	1,862,353	5,975,805	23.8%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
05 - San Juan Creek Ocean Outfall					
Salary and Fringe					
05-5000-**-**-**	Regular Salaries-O&M	104,602	36,114	68,488	34.5%
05-5001-**-**-**	Overtime Salaries-O&M	76	303	(227)	398.1%
05-5306-**-**-**	Scheduled Holiday Work	488	-	488	0.0%
05-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	56,304	19,439	36,865	34.5%
	Total Payroll Costs	161,470	55,856	105,614	34.6%
Other Expenses					
05-5015-**-**-**	Management Support Services	57,500	3,959	53,541	6.9%
05-5017-**-**-**	Legal Fees	1,000	-	1,000	0.0%
05-5027-**-**-**	Insurance - Property/Liability	25,347	16,990	8,356	67.0% (2)
05-5031-**-**-**	Safety Supplies	1,036	-	1,036	0.0%
05-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	1,653	3,086	34.9%
05-5035-**-**-**	Training Expense	1,087	74	1,013	6.9%
05-5036-**-**-**	Laboratory Supplies	40,000	3,068	36,932	7.7%
05-5038-**-**-**	Permits	332,746	-	332,746	0.0%
05-5039-**-**-**	Memberships Dues/Fees	-	116	(116)	100.0%
05-5044-**-**-**	Offshore Monitoring	18,500	12,435	6,065	67.2%
05-5045-**-**-**	Offshore Biochemistry - 20B	7,550	374	7,176	5.0%
05-5046-**-**-**	Effluent Chemistry	28,500	9,826	18,674	34.5%
05-5058-**-**-**	Maintenance Equip. & Facilities (Common)	1,000	-	1,000	0.0%
05-6500-**-**-**	IT Allocations in to PC's & Depts.	13,327	3,556	9,772	26.7%
	Total Other Expenses	532,332	52,053	480,280	9.8%
	Total Expenses	693,802	107,909	585,893	15.6%
08 - Pre Treatment					
Salary and Fringe					
08-5000-**-**-**	Regular Salaries-O&M	176,735	30,895	145,840	17.5%
08-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	95,131	16,630	78,501	17.5%
	Total Payroll Costs	271,866	47,525	224,341	17.5%
Other Expenses					
08-5011-**-**-**	Laboratory Services	3,120	1,420	1,700	45.5%
08-5015-**-**-**	Management Support Services	20,000	-	20,000	0.0%
08-5016-**-**-**	Audit - Environmental	1,324	-	1,324	0.0%
08-5017-**-**-**	Legal Fees	1,000	-	1,000	0.0%
08-5018-**-**-**	Public Notices/ Public Relations	1,550	-	1,550	0.0%
08-5021-**-**-**	Small Vehicle Expense - 31A	1,148	-	1,148	0.0%
08-5022-**-**-**	Miscellaneous Expense	2,068	-	2,068	0.0%
08-5026-**-**-**	Small Vehicle Fuel - 37A	1,304	-	1,304	0.0%
08-5027-**-**-**	Insurance - Property/Liability	8,540	5,724	2,815	67.0% (2)
08-5028-**-**-**	Small Tools & Supplies	3,752	588	3,165	15.7%
08-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	-	4,739	0.0%
08-5035-**-**-**	Training Expense	2,000	-	2,000	0.0%
08-5038-**-**-**	Permits and Fines	520	-	520	0.0%
08-5039-**-**-**	Membership Dues/Fees	500	139	361	27.8%
08-6500-**-**-**	IT Allocations in to PC's & Depts.	20,900	5,576	15,324	26.7%
	Total Other Expenses	72,465	13,447	59,018	18.6%
	Total Expenses	344,331	60,972	283,359	17.7%
12 - Water Reclamation Permits					
Salary and Fringe					
12-5000-**-**-**	Regular Salaries-O&M	113,444	16,995	96,449	15.0%
12-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	61,063	9,148	51,915	15.0%
	Total Payroll Costs	174,507	26,143	148,364	15.0%
Other Expenses					
12-5015-**-**-**	Management Support Services	45,000	12,675	32,325	28.2%
12-5017-**-**-**	Legal Fees	1,000	-	1,000	-
12-5027-**-**-**	Insurance - Property/Liability	2,946	1,974	971	67.0% (2)
12-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	-	4,739	0.0%
12-5038-**-**-**	Permits	28,050	-	28,050	0.0%
12-5039-**-**-**	Membership Dues/Fees	72	-	72	0.0%
12-5705-**-**-**	Monthly Car Allowance	4,200	258	3,942	6.2%
12-6500-**-**-**	IT Allocations in to PC's & Depts.	14,431	3,850	10,581	26.7%
	Total Other Expenses	100,438	18,758	81,680	18.7%
	Total Expenses	274,945	44,902	230,044	16.3%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
15 - Coastal Treatment Plant					
Salary and Fringe					
15-5000-**-**-**	Regular Salaries-O&M	1,058,595	255,813	802,782	24.2%
15-5001-**-**-**	Overtime Salaries-O&M	10,849	375	10,474	3.5% (7)
15-5306-**-**-**	Scheduled Holiday Work	5,240	-	5,240	0.0%
15-5315-**-**-**	Comp Time - O&M	1,578	2,316	(738)	146.8% (7)
15-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	569,807	137,696	432,111	24.2%
15-5700-**-**-**	Standby Pay	12,000	3,500	8,500	29.2%
	Total Payroll Costs	1,658,069	399,700	1,258,369	24.1%
Other Expenses					
15-5002-**-**-**	Electricity	310,000	99,732	210,269	32.2%
15-5003-**-**-**	Natural Gas	3,500	90	3,410	2.6%
15-5004-**-**-**	Potable & Reclaimed Water	24,000	4,060	19,940	16.9%
15-5006-**-**-**	Chlorine/Sodium Hypochlorite	117,500	61,060	56,440	52.0% (4)
15-5008-**-**-**	Ferric Chloride	160,000	37,942	122,059	23.7% (6)
15-5009-**-**-**	Odor Control Chemicals	70,000	33,109	36,891	47.3% (6)
15-5011-**-**-**	Laboratory Services	10,500	3,212	7,288	30.6%
15-5012-**-**-**	Grit Hauling	22,000	5,024	16,976	22.8%
15-5013-**-**-**	Landscaping	64,900	18,284	46,616	28.2% (2)
15-5015-**-**-**	Management Support Services	33,500	3,466	30,034	10.3%
15-5017-**-**-**	Legal Fees	5,000	-	5,000	0.0%
15-5019-**-**-**	Contract Services Misc.	113,300	12,547	100,753	11.1%
15-5021-**-**-**	Small Vehicle Expense - 31A	4,200	84	4,116	2.0%
15-5022-**-**-**	Miscellaneous Expense	1,000	92	908	9.2%
15-5023-**-**-**	Office Supplies - All	5,200	1,541	3,659	29.6%
15-5024-**-**-**	Petroleum Products	4,000	2,887	1,113	72.2% (2)
15-5025-**-**-**	Uniforms	10,300	4,055	6,246	39.4%
15-5026-**-**-**	Small Vehicle Fuel	2,100	172	1,928	8.2%
15-5027-**-**-**	Insurance - Property/Liability	94,591	63,406	31,185	67.0% (2)
15-5028-**-**-**	Small Tools & Supplies	9,300	6,100	3,200	65.6%
15-5030-**-**-**	Trash Disposal	3,000	500	2,500	16.7%
15-5031-**-**-**	Safety Supplies	34,124	7,334	26,790	21.5%
15-5032-**-**-**	Equipment Rental	1,000	-	1,000	0.0%
15-5033-**-**-**	Recruitment	300	-	300	0.0%
15-5034-**-**-**	Travel Expense/Tech. Conferences	12,059	598	11,461	5.0%
15-5035-**-**-**	Training Expense	21,017	2,246	18,771	10.7%
15-5036-**-**-**	Laboratory Supplies	22,000	6,606	15,394	30.0%
15-5037-**-**-**	Office Equipment	3,000	2,286	714	76.2% (2)
15-5038-**-**-**	Permits	3,000	931	2,069	31.0%
15-5039-**-**-**	Membership Dues/Fees	4,025	690	3,335	17.2%
15-5047-**-**-**	Access Road Expenses	45,000	264	44,736	0.6%
15-5048-**-**-**	Storm Damage	20,000	-	20,000	0.0%
15-5050-**-**-**	Contract Services Generators	5,200	-	5,200	0.0%
15-5052-**-**-**	Janitorial Services	15,500	4,636	10,864	29.9%
15-5054-**-**-**	Diesel Truck Maint - 31B	1,000	-	1,000	0.0%
15-5055-**-**-**	Diesel Truck Fuel - 37B	500	-	500	0.0%
15-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	100,000	30,505	69,495	30.5%
15-5058-**-**-**	Maintenance Equip. & Facilities (Common)	24,000	2,606	21,394	10.9%
15-5060-**-**-**	Maintenance Equip. & Facilities (AWT)	30,000	727	29,273	2.4%
15-5061-**-**-**	Mileage	500	-	500	0.0%
15-5076-**-**-**	SCADA Infrastructure	31,200	-	31,200	0.0%
15-5077-**-**-**	IT Direct	18,000	-	18,000	0.0%
15-5705-**-**-**	Monthly Car Allowance	4,200	1,066	3,134	25.4%
15-6500-**-**-**	IT Allocations in to PC's & Depts.	134,825	35,971	98,854	26.7%
	Total Other Expenses	1,598,342	453,829	1,144,513	28.4%
	Total Expenses	3,256,411	853,529	2,402,882	26.2%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
17 - Joint Regional Wastewater Reclamation and Sludge Handling					
Salary and Fringe					
17-5000-**-**-**	Regular Salaries-O&M	2,053,997	493,358	1,560,639	24.0%
17-5001-**-**-**	Overtime Salaries-O&M	31,931	7,276	24,655	22.8% (1)
17-5306-**-**-**	Scheduled Holiday Work	10,152	2,423	7,730	23.9%
17-5315-**-**-**	Comp Time - O&M	6,344	3,743	2,601	59.0% (1)
17-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	1,105,598	265,558	840,040	24.0%
17-5700-**-**-**	Standby Pay	47,692	14,000	33,692	29.4%
	Total Payroll Costs	3,255,714	786,358	2,469,356	24.2%
Other Expenses					
17-5002-**-**-**	Electricity	306,000	192,156	113,844	62.8% (5)
17-5003-**-**-**	Natural Gas	246,800	47,885	198,915	19.4%
17-5004-**-**-**	Potable & Reclaimed Water	28,400	5,066	23,344	17.8%
17-5005-**-**-**	Co-generation Power Credit	(1,367,100)	(410,426)	(956,674)	30.0%
17-5006-**-**-**	Chlorine/Sodium Hypochlorite	61,800	31,097	30,703	50.3% (6)
17-5007-**-**-**	Polymer Products	695,500	135,202	560,298	19.4%
17-5008-**-**-**	Ferric Chloride	522,500	140,978	381,522	27.0% (6)
17-5009-**-**-**	Odor Control Chemicals	73,700	14,692	59,008	19.9%
17-5010-**-**-**	Other Chemicals - Misc.	1,000	-	1,000	0.0%
17-5011-**-**-**	Laboratory Services	28,000	3,875	24,125	13.8%
17-5012-**-**-**	Grit Hauling - 21A	41,200	7,437	33,763	18.1% (4)
17-5013-**-**-**	Landscaping	82,400	16,973	65,427	20.6%
17-5015-**-**-**	Management Support Services	36,100	3,466	32,634	9.6%
17-5017-**-**-**	Legal Fees	5,000	-	5,000	0.0%
17-5019-**-**-**	Contract Services Misc.	118,500	19,319	99,181	16.3%
17-5021-**-**-**	Small Vehicle Expense	8,200	4,318	3,882	52.7% (2)
17-5022-**-**-**	Miscellaneous Expense	5,000	424	4,576	8.5%
17-5023-**-**-**	Office Supplies - All	13,400	1,825	11,576	13.6%
17-5024-**-**-**	Petroleum Products	12,400	1,197	11,203	9.7%
17-5025-**-**-**	Uniforms	33,000	11,295	21,705	34.2% (2)
17-5026-**-**-**	Small Vehicle Fuel	9,000	1,706	7,294	19.0%
17-5027-**-**-**	Insurance - Property/Liability	252,549	169,287	83,261	67.0% (2)
17-5028-**-**-**	Small Tools & Supplies	30,900	6,285	24,615	20.3%
17-5030-**-**-**	Trash Disposal	4,000	262	3,738	6.5%
17-5031-**-**-**	Safety Supplies	40,212	12,626	27,586	31.4%
17-5032-**-**-**	Equipment Rental	3,000	6,376	(3,376)	212.5% (1)
17-5033-**-**-**	Recruitment	1,000	-	1,000	0.0%
17-5034-**-**-**	Travel Expense/Tech. Conferences	19,379	610	18,769	3.1%
17-5035-**-**-**	Training Expense	36,267	1,930	34,337	5.3%
17-5036-**-**-**	Laboratory Supplies	30,000	9,182	20,818	30.6%
17-5037-**-**-**	Office Equipment	10,000	3,576	6,424	35.8% (2)
17-5038-**-**-**	Permits	18,500	931	17,569	5.0%
17-5039-**-**-**	Membership Dues/Fees	4,025	1,033	2,992	25.7%
17-5049-**-**-**	Biosolids Disposal	1,067,300	251,519	815,781	23.6%
17-5050-**-**-**	Contract Services Generators - 29A	8,000	3,287	4,713	0.41
17-5052-**-**-**	Janitorial Services	38,100	9,362	28,738	24.6%
17-5053-**-**-**	Contract Serv - Digester Cleaning - 29E	65,000	-	65,000	0.0%
17-5054-**-**-**	Diesel Truck Maint	19,600	8,505	11,095	43.4% (2)
17-5055-**-**-**	Diesel Truck Fuel	8,200	792	7,408	9.7%
17-5056-**-**-**	Maintenance Equip. & Facilities (Solids)	180,300	26,213	154,087	14.5%
17-5057-**-**-**	Maintenance Equip. & Facilities (Liquids)	200,000	42,273	157,727	21.1%
17-5058-**-**-**	Maintenance Equip. & Facilities (Common)	36,000	6,550	29,450	18.2%
17-5059-**-**-**	Maintenance Equip. & Facilities (Co-Gen)	518,000	126,599	391,401	24.4%
17-5061-**-**-**	Mileage	1,000	358	642	35.8%
17-5068-**-**-**	MNWD Potable Water Supplies & Svcs.	40,000	7,252	32,748	18.1%
17-5076-**-**-**	SCADA Infrastructure	31,200	-	31,200	0.0%
17-5077-**-**-**	IT Direct	20,000	-	20,000	0.0%
17-5105-**-**-**	Co-Generation Power Credit - Offset	1,367,100	410,426	956,674	30.0%
17-5705-**-**-**	Monthly Car Allowance	8,400	2,132	6,268	25.4%
17-6500-**-**-**	IT Allocations in to PC's & Depts.	261,384	69,737	191,647	26.7%
	Total Other Expenses	5,280,217	1,405,580	3,874,637	26.6%
	Total Expenses	8,535,931	2,191,938	6,343,993	25.7%

South Orange County Wastewater Authority
Preliminary O&M Budget vs. Actual Comparison by PC¹
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
24 - Aliso Creek Ocean Outfall					
Salary and Fringe					
24-5000-**-**-**	Regular Salaries-O&M	108,123	35,106	73,017	32.5%
24-5001-**-**-**	Overtime Salaries-O&M	450	182	268	40.4%
24-5306-**-**-**	Scheduled Holiday Work	300	-	300	0.0%
24-5401-**-**-**	Fringe Benefits IN to PC's & Depts.	58,199	18,896	39,303	32.5%
	Total Payroll Costs	167,072	54,183	112,889	32.4%
Other Expenses					
24-5015-**-**-**	Management Support Services	57,500	12,158	45,342	21.1%
24-5017-**-**-**	Legal Fees	1,000	-	1,000	0.0%
24-5027-**-**-**	Insurance - Property/Liability	29,622	19,856	9,766	67.0% (2)
24-5031-**-**-**	Safety Supplies	1,040	-	1,040	0.0%
24-5034-**-**-**	Travel Expense/Tech. Conferences	4,739	1,653	3,086	34.9% (2)
24-5035-**-**-**	Training Expense	1,087	74	1,013	6.9%
24-5036-**-**-**	Laboratory Supplies	27,048	3,068	23,980	11.3%
24-5038-**-**-**	Permits	286,000	-	286,000	0.0%
24-5039-**-**-**	Membership Dues/Fees	-	116	(116)	100.0% (2)
24-5044-**-**-**	Offshore Monitoring	41,616	11,435	30,181	27.5%
24-5045-**-**-**	Offshore Biochemistry - 20B	15,304	374	14,930	2.4%
24-5046-**-**-**	Effluent Chemistry	23,408	4,336	19,072	18.5%
24-5058-**-**-**	Maintenance Equip. & Facilities (Common)	1,000	-	1,000	0.0%
24-6500-**-**-**	IT Allocations in to PC's & Depts.	13,775	3,675	10,100	26.7%
	Total Other Expenses	503,140	56,748	446,392	11.3%
	Total Expenses	670,212	110,931	559,281	16.6%
Total O&M Expenses		21,613,791	5,232,533	16,381,258	24.2%

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
Preliminary O&M Budget vs. Actual Comparison by PC
For the Period Ended September 30, 2024

- (1) O&M completed several nighttime repairs before the upcoming winter season.
- (2) Annual charges incurred at the beginning of the fiscal year and at the end of the calendar year.
- (3) Annual increases in lease costs unanticipated during the preparation of the budget.
- (4) Increased bleach usage due to elevated AWT use at CTP during the first quarter of the new fiscal year.
- (5) Increased power costs due to repairs to the cogen system in July.
- (6) Continued lower flows with increased sewage age septicity is increasing chemical costs to mitigate the impacts.
- (7) The total overtime expenses at CTP total 22% between the comp time and overtime line items.

South Orange County Wastewater Authority
Preliminary Budget vs. Actual Comparison - Engineering
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
Salary and Fringe					
01-5000-03-00-00	Regular Salaries-O&M	115,868	13,778	102,091	11.9%
01-5401-03-00-00	Fringe Benefits IN to PC's & Depts.	62,368	7,416	54,952	11.9%
	Total Payroll Costs	178,237	21,194	157,043	11.9%
Other Expenses					
01-5022-03-00-00	Miscellaneous Expense	1,000	130	870	13.0%
01-5023-03-00-00	Office Supplies	100	-	100	0.0%
01-5031-03-00-00	Safety Supplies	100	-	100	0.0%
01-5034-03-00-00	Travel Expense/Tech. Conferences	2,500	-	2,500	0.0%
01-5035-03-00-00	Training Expense	1,300	-	1,300	0.0%
01-5037-03-00-00	Office Equipment	153	-	153	0.0%
01-5039-03-00-00	Membership Dues/Fees	1,150	184	966	16.0%
01-5061-03-00-00	Mileage	150	41	109	27.2%
01-5309-03-00-00	Operating Leases	20,000	-	20,000	0.0%
01-5802-03-00-00	Shipping/Freight	102	-	102	0.0%
01-6500-03-00-00	IT Allocations in to PC's & Depts.	22,499	6,003	16,497	26.7%
	Total Other Expenses	49,054	6,358	42,696	13.0%
	Total Engineering Expenses	227,291	27,552	199,739	12.1%

South Orange County Wastewater Authority
Preliminary Budget vs. Actual Comparison- Administration
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
01-6000-04-00-00	Regular Salaries-Admin or IT	1,116,326	267,256	849,070	23.9%
01-6001-04-00-00	Overtime Salaries-Admin or IT	7,500	127	7,373	1.7%
01-6315-04-00-00	Comp Time - Admin	2,000	-	2,000	0.0%
01-6401-04-00-00	Fringe Benefits IN to ADMIN or IT	600,881	143,855	457,026	23.9%
	Total Payroll Costs	1,726,707	411,239	1,315,468	23.8%
Other Expenses					
01-6101-04-00-00	HR Recruitment & Employee Relations	32,100	747	31,353	2.3%
01-6102-04-00-00	Subscriptions	2,030	503	1,527	24.8%
01-6103-04-00-00	Contract Labor	35,000	9,792	25,208	28.0%
01-6200-04-00-00	Management Support Services	55,000	6,177	48,823	11.2%
01-6201-04-00-00	Audit	40,800	16,400	24,400	40.2%
01-6202-04-00-00	Legal	125,000	71,675	53,325	57.3%
01-6204-04-00-00	Postage	1,545	609	936	39.4%
01-6223-04-00-00	Office Supplies - Admin	4,120	-	4,120	0.0%
01-6224-04-00-00	Office Equipment Admin or IT	1,000	1,484	(484)	148.4%
01-6234-04-00-00	Memberships & Trainings	107,500	50,529	56,971	47.0%
01-6239-04-00-00	Travel & Conference	25,000	9,060	15,940	36.2%
01-6240-04-00-00	Scholarship Sponsorship	1,000	1,000	0	100.0%
01-6241-04-00-00	Education Reimbursement	1,500	305	1,195	20.3%
01-6310-04-00-00	Miscellaneous	27,000	6,500	20,500	24.1%
01-6311-04-00-00	Mileage	800	134	666	16.7%
01-6317-04-00-00	Contract Services Misc	5,800	1,350	4,450	23.3%
01-6500-04-00-00	IT Allocations in to PC's & Depts.	142,005	37,887	104,118	26.7%
01-6601-04-00-00	Shipping/Freight	2,000	650	1,350	32.5%
01-6705-04-00-00	Monthly Car Allowance	10,200	2,589	7,611	25.4%
	Total Other Expenses	619,400	217,391	402,010	35.1%
Total Admin Expenses		2,346,107	628,629	1,717,478	26.8%

South Orange County Wastewater Authority
Preliminary Budget vs. Actual Comparison-IT
For the Period Ended September 30, 2024
(in dollars)

		FY 2024-25 Budget	Actual	(Over)/Under Budget	% Expended
Salary & Fringe					
01-6000-05-00-00	Regular Salaries-Admin or IT	132,980	34,856	98,123	26.2%
01-6401-05-00-00	Fringe Benefits IN to ADMIN or IT	71,578	18,762	52,816	26.2%
	Total Salary & Fringe	204,558	53,618	150,940	26.2%
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	5,950	-	5,950	0.0%
01-6239-05-00-00	Travel & Conference	1,500	95	1,405	0.0%
01-6300-05-00-00	Software Maintenance Agreements	63,180	5,092	58,088	8.1%
01-6301-05-00-00	Hardware Maintenance Agreements	10,300	2,018	8,282	19.6%
01-6302-05-00-00	Cloud Subscriptions (Internet)	195,018	63,719	131,299	32.7% (1)
01-6303-05-00-00	Telecommunications	163,882	39,011	124,871	23.8%
01-6305-05-00-00	IT Professional Services	106,200	30,250	75,950	28.5% (1)
01-6306-05-00-00	Small Hardware Purchases (< \$5k)	28,400	3,125	25,275	11.0%
01-6307-05-00-00	Small Software Purchases & Licenses (<\$5k)	31,000	27,000	4,000	87.1% (2)
01-6308-05-00-00	IT Memberships	160	-	160	0.0%
01-6309-05-00-00	Operating Leases	64,173	13,443	50,730	20.9%
01-6310-05-00-00	Miscellaneous	5,000	183	4,817	3.7%
01-6311-05-00-00	Mileage	3,200	-	3,200	0.0%
01-6312-05-00-00	Computer & Photocopy Supplies	3,264	-	3,264	0.0%
	Total Other Expenses	685,827	183,936	501,891	26.8%
Total Expenses before Allocation		890,385	237,554	652,831	26.7%
IT Allocations (Out) to PC's & Depts					
01-6400-05-00-00	IT Allocations (OUT) to PC's & Depts.	(890,385)	(237,554)	(652,831)	26.7%
	Total IT Allocations (Out) to PC's & Depts	(890,385)	(237,554)	(652,831)	26.7%

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

(2) Annual charges incurred at the beginning of the Fiscal Year for Microsoft licenses.

Agenda Item

5.I.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors Meeting

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Final Use Audit, FY 2023-24 Budget vs. Actual (*Under Separate Cover*)

Summary/Discussion

FY 2023-24 Use Audit was presented to the Finance Committee on November 19, 2024.

Recommended Action: The Finance Committee recommends that the Board of Directors approve the FY 2023-24 Use Audit.

Agenda Item

5.J.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Mary Carey, Finance Controller

SUBJECT: Annual Financial Statements and Independent Audit for Fiscal Years Ending June 30, 2024, and 2023

Summary/Discussion

The annual Financial Statements Audit for FY 2023-24 was presented to the Finance Committee on November 19, 2024.

- The Pun Group Presentation
- Basic Financial Statements and Independent Auditor's Report for FY Ending June 30, 2024, and 2023 (*Under Separate Cover*)
- GASB 74/75 Interim Actuarial Valuation FY Ending June 30, 2024
- PARS – OPEB Prefunding Program Client Review & Pension Rate Stabilization Program Update

Recommended Action: The Finance Committee recommends that the Board of Directors approve the Annual Financial Statements and Independent Audit for Fiscal Years Ending June 30, 2024 and 2023.

South Orange County Wastewater Authority

**AU-C 260 Communication With
Those Charge With Governance**

For the Year Ended June 30, 2024

November 19, 2024



CONTENTS

- Required Communications (AU-C 260)
- Overview of Financial Statements
- Key Pension and OPEB Information
- Audit Results

Required Communications (AU-C 260)

OUR RESPONSIBILITY IN ACCORDANCE WITH PROFESSIONAL STANDARDS

- Form and express an opinion about whether the financial statements that have been prepared by management with your oversight are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America
- Our responsibility is to plan and perform the audit to obtain “reasonable” assurance (not “absolute” assurance) about whether the financial statements are free of material misstatements.
- We considered internal control over financial reporting. Such considerations were solely for the purpose of determining our audit procedures and not to provide any assurance concerning such internal control.
- We concluded there are no conditions or events that raise substantial doubt about the Authority's ability to continues as a going concern.
- Communicate with those charged with governance.

Required Communications (AU-C 260)

- **Ethics and Independence**
 - Complied with ALL relevant ethical requirements regarding independence
- **Significant Accounting Policies**
 - The Authority disclosed all significant accounting policies in Note 2 to the financial statements.
- **Significant Estimates**
 - Investment fair value
 - Depreciation and amortization on capital assets
 - Net other postemployment benefits (“OPEB”) liability
 - Net pension liability

Required Communications (AU-C 260)

- **Sensitive Disclosures**
 - Note 2 - Summary of Significant Accounting Policies
 - Note 7 – Other Postemployment Benefits (“OPEB”)
 - Note 8 – Defined Benefit Pension Plan
 - Note 13 – Commitment and Contingencies
- **Misstatements**
 - There were no material uncorrected misstatement.

Required Communications (AU-C 260)

- **Consultation with Other Accountants**
 - Management informed us that, and to our knowledge, there were no consultations with other accountants regarding auditing and other matters.
- **Significant Difficulties**
 - We encountered no significant difficulties in dealing with management.
- **Disagreement with Management**
 - We did not have any disagreement with management in terms of accounting treatments nor audit procedures performed.

OVERVIEW OF THE FINANCIAL STATEMENTS

Net Position @ June 30

	2024	2023
Assets	\$ 174,801,000	\$ 172,566,000
Deferred Outflows of Resources	8,533,000	8,269,000
Liabilities	32,731,000	30,752,000
Deferred Inflows of Resources	1,891,000	2,501,000
Net Position:		
Investment in Capital Assets	156,789,000	160,799,000
Unrestricted	(8,077,000)	(13,217,000)
Total Net Position	<u>\$ 148,712,000</u>	<u>\$ 147,582,000</u>

Changes in Net Position

	2024	2023
Operating revenue	\$ 25,074,000	\$ 24,177,000
Less: Operating expenses	(35,908,000)	(30,986,000)
Operating Income (Loss)	(10,834,000)	(6,809,000)
Nonoperating revenues (expenses)	2,266,000	(608,000)
Capital Contributions from Member Agencies	9,698,000	7,420,000
Changes in Net Position	\$ 1,130,000	\$ 3,000

KEY PENSION AND OTHER POSTEMPLOYMENT BENEFITS INFORMATION

Net Pension Liability

	2024 (MD 6/30/23)	2023 (MD 6/30/22)
Plan Total Pension Liability	\$ 70,522,000	\$ 66,443,000
Plan Fiduciary Net Position	(50,805,000)	(48,150,000)
Net Pension Liability	<u>\$ 19,717,000</u>	<u>\$ 18,293,000</u>
Funding Ratio	<u>72%</u>	<u>72%</u>
Contribution Made During the Fiscal Year	<u>\$ 1,998,000</u>	<u>\$ 1,943,000</u>

Net OPEB Liability

	2024 (MD 6/30/24)	2023 (MD 6/30/23)
Plan Total OPEB Liability	\$ 12,002,000	\$ 10,993,000
Plan Fiduciary Net Position	(7,038,000)	(6,218,000)
Net OPEB Liability	<u>\$ 4,964,000</u>	<u>\$ 4,775,000</u>
Funding Ratio	<u>59%</u>	<u>57%</u>
Contribution Made During the Fiscal Year	<u>\$ 745,000</u>	<u>\$ 710,000</u>

AUDIT RESULTS

Audit Results

- **Financial Statements**
 - Unmodified opinion
 - Financial Statements are fairly presented in all material respects
 - Significant accounting policies have been consistently applied
 - Estimates are reasonable
 - Disclosures are properly reflected in the financial statements
- **AU-C 265, *Communicating Internal Control Related Matters Identified in an Audit***
 - None Reported



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November 14, 2024

www.pungroup.cpa

To the Board of Directors
of the South Orange County Wastewater Authority
Dana Point, California

We have audited the financial statements of the business-type activities of the South Orange County Wastewater Authority (the "Authority") for the years ended June 30, 2024 and 2023. Professional standards require that we provide you with information about our responsibilities under generally accepted auditing standards and *Government Auditing Standards*, as well as certain information related to the planned scope and timing of our audit. We have communicated such information in our letter to you dated April 29, 2024. Professional standards also require that we communicate to you the following information related to our audit.

Significant Audit Matters

Qualitative Aspects of Accounting Practices

Management is responsible for the selection and use of appropriate accounting policies. The significant accounting policies used by the Authority are described in Note 2 to the financial statements. As discussed in Note 2 to the financial statements, the Authority implemented the following accounting standards:

GASB Statement No. 100 – In June 2022, the GASB issued Statement No. 100, *Accounting Changes and Error Corrections—An Amendment of GASB Statement No. 62*. The primary objective of this Statement is to enhance accounting and financial reporting requirements for accounting changes and error corrections to provide more understandable, reliable, relevant, consistent, and comparable information for making decisions or assessing accountability. The requirements of this Statement are effective for accounting changes and error corrections made in fiscal years beginning after June 15, 2023, and all reporting periods thereafter. There were no significant impacts on the Authority's financial statements.

No other new accounting policies were adopted and the application of existing policies was not changed during 2024. We noted no transactions entered into by the Authority during the year for which there is a lack of authoritative guidance or consensus. All significant transactions have been recognized in the financial statements in the proper period.

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ significantly from those expected. The most sensitive estimates affecting the Authority's financial statements were:

- Management's estimate of the investment fair market value is based on information provided by the State of California for its investment in the Local Agency Investment Fund. We evaluated the key factors and assumptions used to develop the investment fair market value in determining that it is reasonable in relation to the financial statements taken as a whole.

- Management's estimate of the depreciation and amortization on capital assets and intangible asset – right to use asset is based on the industry standard and past experience on actual useful life of the asset groups. We evaluated the key factors and assumptions used to develop the depreciation and amortization on capital assets and intangible asset – right to use asset in determining that it is reasonable in relation to the financial statements taken as a whole.
- Management's estimate of the net other postemployment benefits ("OPEB") liability is based on the actuarial valuation on total OPEB liability and financial statements on fiduciary net position. We evaluated the key factors and assumptions used to develop the OPEB liability in determining that it is reasonable in relation to the financial statements taken as a whole.
- Management's estimate of the net pension liabilities is based on the actuarial valuation on total pension liability and based on audited financial statements on fiduciary net position for CalPERS plans. We evaluated the key factors and assumptions used to develop the net pension liability in determining that it is reasonable in relation to the financial statements taken as a whole.

Certain financial statement disclosures are particularly sensitive because of their significance to financial statement users. The most sensitive disclosures affecting the financial statements were:

- Note 2 – Summary of Significant Accounting Policies
- Note 7 – Other Postemployment Benefits ("OPEB")
- Note 8 – Defined Benefit Pension Plan
- Note 13 – Commitments and Contingencies

The financial statement disclosures are neutral, consistent, and clear.

Difficulties Encountered in Performing the Audit

We encountered no significant difficulties in dealing with management in performing and completing our audit.

Corrected and Uncorrected Misstatements

Professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that are clearly trivial, and communicate them to the appropriate level of management. Management has corrected all such misstatements. In addition, none of the misstatements detected as a result of audit procedures and corrected by management were material, either individually or in the aggregate, to each opinion unit's financial statements taken as a whole.

Disagreements with Management

For purposes of this letter, a disagreement with management is a financial accounting, reporting, or auditing matter, whether or not resolved to our satisfaction, that could be significant to the financial statements or the auditor's report. We are pleased to report that no such disagreements arose during the course of our audit.

Management Representations

We have requested certain representations from management that are included in the management representation letter dated November 14, 2024.

To the Board of Directors
of the South Orange County Wastewater Authority
Dana Point, California
Page 3

Management Consultations with Other Independent Accountants

In some cases, management may decide to consult with other accountants about auditing and accounting matters, similar to obtaining a “second opinion” on certain situations. If a consultation involves application of an accounting principle to the Authority’s financial statements or a determination of the type of auditors’ opinion that may be expressed on those statements, our professional standards require the consulting accountant to check with us to determine that the consultant has all the relevant facts. To our knowledge, there were no such consultations with other accountants.

Other Audit Findings or Issues

We generally discuss a variety of matters, including the application of accounting principles and auditing standards, with management each year prior to retention as the Authority’s auditors. However, these discussions occurred in the normal course of our professional relationship and our responses were not a condition to our retention.

Other Matters

We applied certain limited procedures to the Management’s Discussion and Analysis, the Schedule of the Proportionate Share of the Net Pension Liability and Related Ratios, the Schedule of Contributions – Pensions, the Schedule of Changes in Net OPEB Liability and Related Ratios, and the Schedule of Contributions - OPEB, which is required supplementary information (“RSI”) that supplements the basic financial statements. Our procedures consisted of inquiries of management regarding the methods of preparing the information and comparing the information for consistency with management’s responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We did not audit the RSI and do not express an opinion or provide any assurance on the RSI.

We were not engaged to report on the Introductory Section, which accompany the financial statements but are not RSI. Such information has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

Restriction on Use

This information is intended solely for the information and use of the Board of Directors and management of the Authority and is not intended to be, and should not be, used by anyone other than these specified parties.

Very truly yours,

A handwritten signature in black ink that reads "The PwC Group, LLP". The signature is written in a cursive, flowing style.

Santa Ana, California



GASB 74/75 INTERIM ACTUARIAL VALUATION

Fiscal Year Ending June 30, 2024

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

CONTACT

Sandy DeKalb, ASA, MAAA
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PHONE

General (317) 845-3500

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November 6, 2024

Ms. Mary Carey
South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point, CA 92629

This report summarizes the interim GASB actuarial valuation for the South Orange County Wastewater Authority 2023/24 fiscal year. To the best of our knowledge, the report presents a fair position of the funded status of the plan in accordance with GASB Statement No. 74 (Financial Reporting for Post-Employment Benefit Plans Other Than Pension Plans) and GASB Statement No. 75 (Accounting and Financial Reporting by Employers for Post-Employment Benefits Other Than Pensions). This report may not be appropriate for other purposes. Please contact Nyhart prior to disclosing this report to any other party or relying on its content for any purpose other than that explained above. Failure to do so may result in misrepresentation or misinterpretation of this report.

The information presented herein is based on the actuarial assumptions and substantive plan provisions summarized in this report and participant information furnished to us by the Plan Sponsor. Asset information has been provided to us by the trustee. We have reviewed the employee census provided by the Plan Sponsor for reasonableness when compared to the prior information provided but have not audited the information at the source, and therefore do not accept responsibility for the accuracy or the completeness of the data on which the information is based. When relevant data may be missing, we may have made assumptions we feel are neutral or conservative to the purpose of the measurement. We are not aware of any significant issues with and have relied on the data provided.

The discount rate, other economic assumptions, and demographic assumptions have been selected by the Plan Sponsor with the concurrence of Nyhart. In our opinion, the actuarial assumptions are individually reasonable and in combination represent our estimate of anticipated experience of the Plan. All calculations have been made in accordance with generally accepted actuarial principles and practice.

Future actuarial measurements may differ significantly from the current measurements presented in this report due to such factors as the following:

- plan experience differing from that anticipated by the economic or demographic assumptions;
- changes in economic or demographic assumptions;
- increases or decreases expected as part of the natural operation of the methodology used for these measurements (such as the end of an amortization period); and
- changes in plan provisions or applicable law.

We did not perform an analysis of the potential range of future measurements due to the limited scope of our engagement.

To our knowledge, there have been no significant events prior to the current year's measurement date or as of the date of this report that could materially affect the results contained herein.

Neither Nyhart nor any of its employees has any relationship with the plan or its sponsor that could impair or appear to impair the objectivity of this report. Our professional work is in full compliance with the American Academy of Actuaries "Code of Professional Conduct" Precept 7 regarding conflict of interest. The undersigned are compliant with the continuing education requirements of the Qualification Standards for Actuaries Issuing Statements of Actuarial Opinion in the United States.

Should you have any questions please do not hesitate to contact us.



Sandy DeKalb, ASA, MAAA
Actuary



Nisha Sundi, FSA, MAAA
Actuary

Executive Summary

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Summary of Results

Presented below is the summary of GASB 75 results for the fiscal year ending June 30, 2024 compared to the prior fiscal year as shown in the Authority's Notes to Financial Statement.

	As of June 30, 2023		As of June 30, 2024	
Total OPEB Liability	\$	10,993,133	\$	12,001,605
Actuarial Value of Assets	\$	(6,218,496)	\$	(7,038,273)
Net OPEB Liability	\$	4,774,637	\$	4,963,332
Funded Ratio		56.6%		58.6%

	FY 2022/23		FY 2023/24	
OPEB Expense	\$	681,060	\$	540,698
Annual Employer Contributions	\$	710,421	\$	745,474
Actuarially Determined Contribution	\$	648,238	\$	681,796

	As of June 30, 2023		As of June 30, 2024	
Discount Rate		6.50%		6.50%
Expected Return on Assets		6.50%		6.50%

	As of June 30, 2024	
Total Active Participants		57
Total Retiree Participants		50

The active participants' number above may include active employees who currently have no health care coverage.

* The June 30, 2024 headcounts are as provided by the Authority and as of June 30, 2024. They are not used as the basis of the OPEB liability.

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Schedule of Changes in Net OPEB Liability and Related Ratios

OPEB Liability	FY 2023/24		FY 2022/23		FY 2021/22		FY 2020/21		FY 2019/20	
Total OPEB Liability										
Total OPEB Liability - beginning of year	\$	10,993,133	\$	10,676,580	\$	10,799,701	\$	10,959,190	\$	9,885,778
Service cost		256,265		226,817		226,409		264,352		231,479
Interest		707,487		685,995		695,353		710,591		692,192
Change of benefit terms		164		0		0		0		0
Changes in assumptions		493,433		(103,722)		0		297,733		607,338
Differences between expected and actual experience		292,779		217,884		(377,647)		(840,090)		0
Benefit payments		(741,656)		(710,421)		(667,236)		(592,075)		(457,597)
Net change in total OPEB liability	\$	1,008,472	\$	316,553	\$	(123,121)	\$	(159,489)	\$	1,073,412
Total OPEB Liability - end of year	\$	12,001,605	\$	10,993,133	\$	10,676,580	\$	10,799,701	\$	10,959,190
Plan Fiduciary Net Position										
Plan fiduciary net position - beginning of year	\$	6,218,496	\$	5,727,973	\$	6,657,222	\$	5,270,639	\$	5,137,817
Contributions - employer		745,474		710,421		667,236		592,075		457,597
Contributions - active employees		0		0		0		0		0
Net investment income		852,011		524,077		(891,743)		1,420,672		163,035
Benefit payments		(741,656)		(710,421)		(667,236)		(592,075)		(457,597)
Trust administrative expenses		(36,052)		(33,554)		(37,506)		(34,089)		(30,213)
Net change in plan fiduciary net position	\$	819,777	\$	490,523	\$	(929,249)	\$	1,386,583	\$	132,822
Plan fiduciary net position - end of year	\$	7,038,273	\$	6,218,496	\$	5,727,973	\$	6,657,222	\$	5,270,639
Net OPEB Liability - end of year	\$	4,963,332	\$	4,774,637	\$	4,948,607	\$	4,142,479	\$	5,688,551
Plan fiduciary net position as % of total OPEB liability		58.6%		56.6%		53.6%		61.6%		48.1%
Covered employee payroll	\$	7,307,632	\$	6,850,169	\$	6,812,966	\$	6,607,567	\$	6,456,681
Net OPEB liability as % of covered payroll		67.9%		69.7%		72.6%		62.7%		88.1%

* FY 2023/24 employer contributions and benefit payments include actual pay go costs as provided by SOCWA plus estimated implicit subsidy benefit payments from the FY 2022/23 valuation.

**Payroll amounts for all years are as provided by SOCWA.

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Schedule of Changes in Net OPEB Liability and Related Ratios (Continued)

OPEB Liability	FY 2018/19	FY 2017/18
Total OPEB Liability		
Total OPEB Liability - beginning of year	\$ 10,182,408	\$ 9,602,387
Service cost	274,847	256,866
Interest	713,467	677,737
Change of benefit terms	(42,119)	0
Changes in assumptions	109,406	0
Differences between expected and actual experience	(822,505)	0
Benefit payments	(529,726)	(354,582)
Net change in total OPEB liability	\$ (296,630)	\$ 580,021
Total OPEB Liability - end of year	\$ 9,885,778	\$ 10,182,408
Plan Fiduciary Net Position		
Plan fiduciary net position - beginning of year	\$ 4,823,410	\$ 4,269,924
Contributions - employer	529,726	585,582
Contributions - active employees	0	0
Net investment income	341,412	348,619
Benefit payments	(529,726)	(354,582)
Trust administrative expenses	(27,005)	(26,133)
Net change in plan fiduciary net position	\$ 314,407	\$ 553,486
Plan fiduciary net position - end of year	\$ 5,137,817	\$ 4,823,410
Net OPEB Liability - end of year	\$ 4,747,961	\$ 5,358,998
Plan fiduciary net position as % of total OPEB liability	52.0%	47.4%
Covered employee payroll	\$ 6,456,681	\$ 6,083,399
Net OPEB liability as % of covered payroll	73.5%	88.1%

*Payroll amounts for all years are as provided by SOCWA.

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Schedule of Employer Contributions

The Actuarially Determined Contributions (ADC) shown below are based on the Annual Required Contribution (ARC) calculated in prior GASB 45 actuarial valuations as shown in the Authority's financial statements.

	FY 2023/24		FY 2022/23		FY 2021/22		FY 2020/21		FY 2019/20	
Actuarially Determined Contribution (ADC)	\$	681,796	\$	648,238	\$	611,596	\$	595,227	\$	631,614
Contributions in relation to the ADC		745,474		710,421		667,236		592,075		457,597
Contribution deficiency/(excess)	\$	(63,678)	\$	(62,183)	\$	(55,640)	\$	3,152	\$	174,017
Covered employee payroll	\$	7,307,632	\$	6,850,169	\$	6,812,966	\$	6,607,567	\$	6,456,681
Contribution as a % of covered payroll		10.2%		10.4%		9.8%		9.0%		7.1%
		FY 2018/19								
Actuarially Determined Contribution (ADC)	\$	613,218								
Contributions in relation to the ADC		529,726								
Contribution deficiency/(excess)	\$	83,492								
Covered employee payroll	\$	6,456,681								
Contribution as a % of covered payroll		8.2%								

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

OPEB Expense

OPEB Expense	FY 2023/24		FY 2022/23	
Discount Rate				
Beginning of year	6.50%		6.50%	
End of year	6.50%		6.50%	
Service cost	\$	256,265	\$	226,817
Interest		707,487		685,995
Change of benefit terms		164		0
Projected earnings on OPEB plan investments		(403,171)		(371,245)
Reduction for contributions from active employees		0		0
OPEB plan administrative expenses		36,052		33,554
Current period recognition of deferred outflows / (inflows) of resources				
Differences between expected and actual experience	\$	(98,730)	\$	(128,008)
Changes in assumptions		75,035		177,525
Net difference between projected and actual earnings on OPEB plan investments		(32,404)		56,422
Total current period recognition	\$	(56,099)	\$	105,939
Total OPEB expense	\$	540,698	\$	681,060

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Deferred Outflows / (Inflows) of Resources

Deferred Outflows / (Inflows) of Resources represents the following items that have not been recognized in the OPEB Expense:

1. Differences between expected and actual experience of the OPEB plan
2. Changes of assumptions
3. Differences between projected and actual earnings in OPEB plan investments (for funded plans only)

The initial amortization period for the first two items noted above is based on expected future service lives while the difference between the projected and actual earnings in OPEB plan investment is amortized over five years. All balances are amortized linearly on a principal only basis and new bases will be created annually for each of the items above.

Differences between expected and actual experience for FYE	Initial Balance	Initial Amortization Period	Annual Recognition	Unamortized Balance as of June 30, 2024
June 30, 2018	\$ 0	N/A	\$ 0	\$ 0
June 30, 2019	\$ (822,505)	4	\$ 0	\$ 0
June 30, 2020	\$ 0	N/A	\$ 0	\$ 0
June 30, 2021	\$ (840,090)	8	\$ (105,011)	\$ (420,046)
June 30, 2022	\$ (377,647)	8	\$ (47,206)	\$ (236,029)
June 30, 2023	\$ 217,884	9	\$ 24,209	\$ 169,466
June 30, 2024	\$ 292,779	10	\$ 29,278	\$ 263,501

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Deferred Outflows / (Inflows) of Resources (Continued)

Changes in assumptions for FYE	Initial Balance	Initial Amortization Period	Annual Recognition	Unamortized Balance as of June 30, 2024
June 30, 2018	\$ 0	N/A	\$ 0	\$ 0
June 30, 2019	\$ 109,406	4	\$ 0	\$ 0
June 30, 2020	\$ 607,338	4	\$ 0	\$ 0
June 30, 2021	\$ 297,733	8	\$ 37,217	\$ 148,865
June 30, 2022	\$ 0	N/A	\$ 0	\$ 0
June 30, 2023	\$ (103,722)	9	\$ (11,525)	\$ (80,672)
June 30, 2024	\$ 493,433	10	\$ 49,343	\$ 444,090

Net Difference between projected and actual earnings in OPEB plan investments for FYE	Initial Balance	Initial Amortization Period	Annual Recognition	Unamortized Balance as of June 30, 2024
June 30, 2020	\$ 195,555	5	\$ 39,111	\$ 0
June 30, 2021	\$ (1,079,171)	5	\$ (215,834)	\$ (215,835)
June 30, 2022	\$ 1,323,263	5	\$ 264,653	\$ 529,304
June 30, 2023	\$ (152,832)	5	\$ (30,566)	\$ (91,700)
June 30, 2024	\$ (448,840)	5	\$ (89,768)	\$ (359,072)

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Deferred Outflows / (Inflows) of Resources (Continued)

As of fiscal year ending June 30, 2024	Deferred Outflows	Deferred Inflows
Differences between expected and actual experience	\$ 432,967	\$ (656,075)
Changes in assumptions	592,955	(80,672)
Net difference between projected and actual earnings in OPEB plan investments	0	(137,303)
Total	\$ 1,025,922	\$ (874,050)

Annual Amortization of Deferred Outflows / (Inflows)

The balances as of June 30, 2024 of the deferred outflows / (inflows) of resources will be recognized in OPEB expense in the future fiscal years as noted below.

FYE	Balance
2025	\$ (95,211)
2026	\$ 120,622
2027	\$ (144,031)
2028	\$ (113,468)
2029	\$ 44,100
Thereafter	\$ 339,860

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Sensitivity Results

The following presents the Net OPEB Liability as of June 30, 2024, calculated using the discount rate assumed and what it would be using a 1% higher and 1% lower discount rate.

- The current discount rate is 6.50%.
- The 1% decrease in discount rate would be 5.50%.
- The 1% increase in discount rate would be 7.50%.

As of June 30, 2024	Net OPEB Liability	
1% Decrease	\$	6,441,475
Current Discount Rate	\$	4,963,332
1% Increase	\$	3,737,304

The following presents the Net OPEB Liability as of June 30, 2024, using the health care trend rates assumed and what it would be using 1% higher and 1% lower health care trend rates.

- The current health care trend rate starts at an initial rate of 8.00%, decreasing to an ultimate rate of 4.50%.
- The 1% decrease in health care trend rates would assume an initial rate of 7.00%, decreasing to an ultimate rate of 3.50%.
- The 1% increase in health care trend rates would assume an initial rate of 9.00%, decreasing to an ultimate rate of 5.50%.

As of June 30, 2024	Net OPEB Liability	
1% Decrease	\$	3,620,229
Current Trend Rates	\$	4,963,332
1% Increase	\$	6,617,866

* Health care trend rates also include the impact of increases or decreases to post-65 medical/rx and PEMHCA Minimum Required Contribution (MRC). The current trend rates for post-65 benefits are an initial rate of 6.50% decreasing by 0.25% per year to an ultimate rate of 4.50%. The current trend rates for the MRC benefits are 4.00% per year.

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Asset Information

Asset Breakdown	FY 2022/23		FY 2023/24	
Assets				
Cash and deposits	\$	0	\$	0
Securities lending cash collateral		0		0
Total cash	\$	0	\$	0
Receivables				
Contributions	\$	0	\$	0
Accrued interest		0		0
Total receivables	\$	0	\$	0
Investments				
Fixed income	\$	0	\$	0
Equities		0		0
Mutual Funds		6,218,496		7,038,273
Total investments	\$	6,218,496	\$	7,038,273
Total Assets	\$	6,218,496	\$	7,038,273
Liabilities				
Payables				
Investment management fees	\$	0	\$	0
Securities lending expense		0		0
Total liabilities	\$	0	\$	0
Net Position Restricted to OPEB	\$	6,218,496	\$	7,038,273

GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Asset Information (Continued)

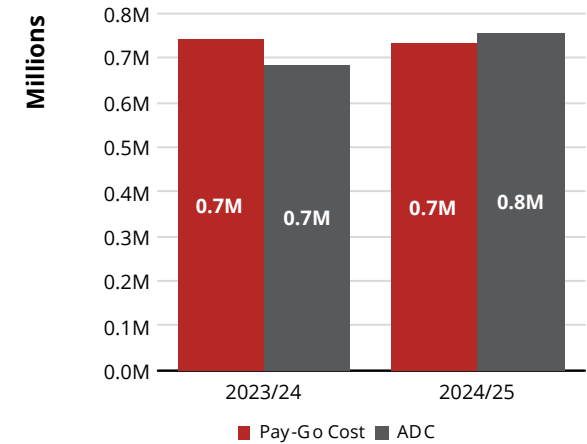
Asset Reconciliation	FY 2022/23		FY 2023/24	
Additions				
Contributions Received				
Employer	\$	710,421	\$	745,474
Active employees		0		0
Total contributions	\$	710,421	\$	745,474
Investment Income				
Net increase in fair value of investments	\$	524,077	\$	852,011
Interest and dividends		0		0
Investment expense, other than from securities lending		0		0
Securities lending income		0		0
Securities lending expense		0		0
Net investment income	\$	524,077	\$	852,011
Total additions	\$	1,234,498	\$	1,597,485
Deductions				
Benefit payments	\$	710,421	\$	741,656
Administrative expenses		33,554		36,052
Other		0		0
Total deductions	\$	743,975	\$	777,708
Net increase in net position	\$	490,523	\$	819,777
Net position restricted to OPEB				
Beginning of year	\$	5,727,973	\$	6,218,496
End of year	\$	6,218,496	\$	7,038,273

Actuarially Determined Contributions

South Orange County Wastewater Authority Interim GASB 74/75 Valuation For Fiscal Year Ending June 30, 2024

	FY 2023/24		FY 2024/25	
Discount rate (Funding)		6.50%		6.50%
Payroll growth factor used for amortization		2.80%		2.80%
Actuarial cost method		Entry Age Normal Level % of Salary		Entry Age Normal Level % of Salary
Amortization type		Level % of Salary		Level % of Salary
Amortization period (years)		16		15
Actuarial Accrued Liability (AAL)	\$	10,993,133	\$	12,001,605
Actuarial Value of Assets (AVA)		(6,218,496)		(7,038,273)
Unfunded AAL - beginning of year	\$	4,774,637	\$	4,963,332
Normal Cost	\$	256,265	\$	290,703
Amortization of Unfunded AAL		383,919		418,911
Total normal cost plus amortization	\$	640,184	\$	709,614
Interest to end of year		41,612		46,125
Actuarially Determined Contribution - Preliminary	\$	681,796	\$	755,739

Cash Vs Accrual Accounting



Actuarially Determined Contribution (ADC) is the target or recommended contribution to a defined benefit OPEB plan, which if paid on an ongoing basis, will provide sufficient resources to fund future costs for services to be earned and liabilities attributed to past services. This is typically higher than the pay-as-you-go cost because it includes recognition of employer costs expected to be paid in future accounting periods.

Projection of GASB Disclosures

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

The Total OPEB Liability (TOL) is expected to change on an annual basis as a result of expected and unexpected events. Under normal circumstances, it is generally expected to have a net increase each year. Below is a list of the most common events affecting the total OPEB liability and whether they increase or decrease the liability.

Expected Events

- Increases in TOL due to additional benefit accruals as employees continue to earn service each year
- Increases in TOL due to interest as the employees and retirees age
- Decreases in TOL due to benefit payments

Unexpected Events

- Increases in TOL when actual health care costs increase more than expected. A liability decrease occurs when the reverse happens.
- Increases in TOL when more new retirements occur than expected or fewer terminations occur than anticipated. Liability decreases occur when the opposite outcomes happen.
- Increases or decreases in TOL depending on whether benefits are improved or reduced.

Projection of Total OPEB Liability (TOL)	FY 2023/24	FY 2024/25
TOL as of beginning of year	\$ 10,993,133	\$ 12,001,605
Normal cost as of beginning of year	256,265	290,703
Exp. benefit payments during the year	(741,656)	(731,343)
Interest adjustment to end of year	707,487	775,605
Exp. TOL as of end of year	\$ 11,215,229	\$ 12,336,570
Actuarial Loss / (Gain)	786,376	TBD
Actual TOL as of end of year	\$ 12,001,605	\$ TBD

Discount rate as of beginning of year	6.50%	6.50%
Discount rate as of end of year	6.50%	TBD

Projection of Actuarial Value of Assets (AVA)	FY 2023/24	FY 2024/25
AVA as of beginning of year	\$ 6,218,496	\$ 7,038,273
Exp. employer contributions during the year	745,474	731,343
Exp. benefit payments during the year	(741,656)	(731,343)
Expected investment income	403,171	456,183
Exp. Trust administrative expenses	(36,052)	(40,805)
Exp. AVA as of end of year	\$ 6,589,433	\$ 7,453,651
Differences between expected and actual experience	448,840	TBD

AVA as of end of year	\$ 7,038,273	\$ TBD
Expected asset return as of beginning of year	6.50%	6.50%
Expected asset return as of end of year	6.50%	TBD

Discussion of Discount Rates

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Under GASB 74, the discount rate used in valuing OPEB liabilities for funded plans as of the Measurement Date must be based on the long-term expected rate of return on OPEB plan investments that are expected to be used to finance future benefit payments to the extent that (a) they are sufficient to pay for the projected benefit payments and (b) the OPEB plan assets are invested using a strategy that will achieve that return. When the OPEB plan investments are insufficient to cover future benefit payments, a yield for 20-year tax-exempt general obligation municipal bonds with an average rating of AA /Aa or higher (or equivalent quality on another rating scale) must be used.

For the current valuation:

1. The long-term expected rate of return on OPEB plan investment is assumed to be 6.50% under Balanced HighMark PLUS strategy. The target allocations as of June 30, 2024 are summarized in the following table.
2. The discount rate used when the OPEB plan investments are insufficient to pay for future benefit payments are selected from the range of indices as shown in the table below, where the range is given as the spread between the lowest and highest rate shown.

Asset Class	Target Allocation	L/T Expected Real ROR
Fixed Income	35.0%	N/A
Equities	60.0%	N/A
Cash	5.0%	N/A
Total	100.00%	6.50 ¹

Yield as of	June 30, 2022	June 30, 2023
Bond Buyer Go 20-Bond Municipal Bond Index	3.54%	3.65%
S&P Municipal Bond 20-Year High Grade Rate Index	4.09%	4.13%
Fidelity 20-Year Go Municipal Bond Index	3.69%	3.86%
Bond Index Range	3.54% - 4.09%	3.65% - 4.13%

3. The final equivalent single discount rate used for this year's valuation is 6.50%. This discount rate assumes the Authority continues to make pay-go contributions directly (outside of the trust).

¹ Based on PARS Balanced HighMark Plus (Active Strategy) long-term expected rate of return. 123 discount rate of 6.50% is used for this year's valuation as selected by the Authority

Summary of Plan Participants

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Active Employees

Actives with coverage	Single	Non-Single	Total	Avg. Age as of 1/1/2023	Avg. Svc as of 1/1/2023
PERS Gold	3	8	11	46.3	6.3
PERS Platinum	1	4	5	57.0	16.4
Anthem HMO Select		5	5	41.2	3.0
BS Access+		1	1	59.0	7.4
Kaiser	10	15	25	42.4	10.6
UHC HMO		2	2	39.3	9.2
Total actives with coverage	14	35	49	44.9	9.3

Actives without coverage	Total	Avg. Age	Avg. Svc
Total actives without coverage	5	31.8	5.8

Three active employees were excluded from the valuation due to being hired after the valuation date of January 1, 2023.

Enrollment information above is for full-time employees who are eligible for retiree health care benefits only.

Summary of Plan Participants

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Active Age-Service Distribution

Age	Years of Service										Total
	< 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up	
Under 25											0
25 to 29	1	2	1								4
30 to 34		3	6	2							11
35 to 39	2	4	2	2							10
40 to 44	1	2	5		1						9
45 to 49			1	1							2
50 to 54		2	2		1			1			6
55 to 59			2		1	2	1	1			7
60 to 64			2				1				3
65 to 69			2								2
70 & up											0
Total	4	13	23	5	3	2	2	2	0	0	54

Summary of Plan Participants

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Retirees

Retirees with coverage	Single	Non-Single	Total	Avg. Age
PERS Gold	1	4	5	63.3
PERS Platinum	9	13	22	66.1
Anthem HMO Select	2	1	3	71.5
BS Access+		1	1	56.7
BS Trio	1		1	63.9
Kaiser	3	6	9	66.2
UHC HMO	2	7	9	73.5
Total retirees with coverage	18	32	50	67.3

Retiree Age Distribution

Age	Retirees
< 45	
45 to 49	
50 to 54	1
55 to 59	5
60 to 64	18
65 to 69	11
70 to 74	7
75 to 79	4
80 to 84	4
85 to 89	
90 & up	
Total	50

Substantive Plan Provisions

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Eligibility

All permanent full-time and part-time employees working at least half-time are offered a choice of medical (including prescription drug coverage) plans through the CalPERS Health Program under the Public Employees' Medical and Hospital Care Act (PEMHCA). SOCWA currently pays an amount each year that is based on a percentage of the average of all health plans (excluding the PERS Care Plan) made available to SOCWA employees through the CalPERS Health Program. Any premium costs above this amount are paid for by the employee. Alternatively, the employee may elect a cash-in-lieu option of \$300/month but opt back into the health plan at any time before retirement during an enrollment period. SOCWA offers the same medical plans to eligible retirees except once retirees are eligible for Medicare, the retiree must join a Medicare HMO or Supplement Plan with Medicare being the primary payer. Employees hired on or after July 1, 2017 are only eligible for the PEMHCA minimum contribution (\$151.00 for 2023) and an HSA contribution. For the purposes of GASB 75, only the PEMHCA minimum contribution will be valued for these employees.

Eligibility for retiree health benefits requires retirement from SOCWA on or after age 50 with at least 5 years of PERS service. Eligible employees must retire (commence pension payment) with CalPERS within 120 days of separation from service. Retiree benefits are paid for the lifetime of the retiree, spouse or surviving spouse and to age 26 for dependents.

Medical Benefits

SOCWA participates in the CalPERS Health Program, a community-rated program for its medical coverage. The following tables summarize the current monthly premiums for the primary medical plans in which the retirees are enrolled. All premiums are effective for the 2021 calendar year.

2023 CalPERS Premiums - Region 3	Kaiser	BS Access+	BS Trio	PERS Gold	PERS Platinum	PORAC
Retiree Only	\$ 754.64	\$ 738.29	\$ 661.49	\$ 680.37	\$ 992.59	\$ 820.00
Retiree plus Spouse	\$ 1,509.28	\$ 1,476.58	\$ 1,322.98	\$ 1,360.74	\$ 1,985.18	\$ 1,600.00
Retiree Only – Medicare	\$ 283.25	\$ 361.90	\$ 361.90	\$ 392.71	\$ 420.02	\$ 465.00

2023 CalPERS Premiums - Region 3	UHC Harmony	UHC Alliance	Anthem HMO Select	Anthem HMO Traditional	Health Net SmartCare	Health Net Salud
Retiree Only	\$ 713.55	\$ 790.46	\$ 737.91	\$ 942.73	\$ 755.29	\$ 606.34
Retiree plus Spouse	\$ 1,427.10	\$ 1,580.92	\$ 1,475.82	\$ 1,885.46	\$ 1,510.58	\$ 1,212.68
Retiree Only – Medicare	\$ 299.68	\$ 299.68	\$ 413.59	\$ 413.59	N/A	N/A

Substantive Plan Provisions

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

2023 CalPERS Premiums - Region 2	Kaiser	BS Access+	BS Trio	PERS Gold	PERS Platinum	Sharp	UHC Harmony
Retiree Only	\$ 756.21	\$ 842.61	\$ 760.71	\$ 695.93	\$ 1,014.80	\$ 764.96	\$ 781.58
Retiree plus Spouse	\$ 1,512.42	\$ 1,685.22	\$ 1,521.42	\$ 1,391.86	\$ 2,029.60	\$ 1,529.92	\$ 1,536.16
Retiree Only – Medicare	\$ 283.25	\$ 361.90	\$ 361.90	\$ 392.71	\$ 420.02	\$ 249.79	\$ 299.68

2023 CalPERS Premiums - Region 2	UHC Alliance	Anthem HMO Select	Anthem HMO Traditional	Health Net SmartCare	Health Net Salud	PORAC
Retiree Only	\$ 793.63	\$ 765.37	\$ 935.12	\$ 834.65	\$ 698.91	\$ 820.00
Retiree plus Spouse	\$ 1,587.26	\$ 1,530.74	\$ 1,870.26	\$ 1,669.30	\$ 1,397.82	\$ 1,650.00
Retiree Only – Medicare	\$ 299.68	\$ 413.59	\$ 413.59	N/A	N/A	\$ 465.00

Actuarial Methods and Assumptions

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

For a complete summary of actuarial methods and assumptions, refer to the GASB 75 actuarial valuation report for the fiscal year ending June 30, 2023.

Measurement Date	For fiscal year ending June 30, 2024, June 30, 2024 measurement date was used.
Actuarial Valuation Date	January 1, 2023 Liabilities for FY 2023/24 are based on an actuarial valuation date of January 1, 2023 projected to June 30, 2024, reflecting actual premium, PEHMCA minimum, and health care trend changes. Liabilities for FY 2022/23 are based on an actuarial valuation date of January 1, 2023 projected to June 30, 2023.
Discount Rate	6.50% as of June 30, 2022 and June 30, 2023 for accounting disclosure purposes 6.50% for funding disclosure purposes (in calculating the Actuarially Determined Contribution) Refer to the Discussion of Discount Rates section for more information on selection of the discount rate. The discount rate was chosen by the plan sponsor based on the information provided in the “Discussion of Discount Rates” section above.
Payroll Growth	2.80% per year with the 2021 CalPERS merit scale The payroll growth rates are based on the 2021 CalPERS pension plan valuation.
Cost Method	Allocation of Actuarial Present Value of Future Benefits for services prior and after the Measurement Date was determined using Entry Age Normal Level % of Salary method where: <ul style="list-style-type: none">• Service Cost for each individual participant, payable from date of employment to date of retirement, is sufficient to pay for the participant’s benefit at retirement; and• Annual Service Cost is a constant percentage of the participant’s salary that is assumed to increase according to the Payroll Growth.
Employer Funding Policy	SOCWA does not plan to make contributions to the Trust in the near future but will continue to make pay-go contributions directly (outside of the Trust).

Actuarial Methods and Assumptions

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Health Care Trend Rates

Calendar Year	Pre-65	Post-65
2023	Actual*	Actual*
2024	8.00%	6.50%
2025	7.75%	6.25%
2026	7.50%	6.00%
2027	7.25%	5.75%
2028	7.00%	5.50%
2029	6.75%	5.25%
2030	6.50%	5.00%
2031	6.25%	4.75%
2032	6.00%	4.50%
2033	5.75%	4.50%
2034	5.50%	4.50%
2035	5.25%	4.50%
2036	5.00%	4.50%
2037	4.75%	4.50%
2038	4.50%	4.50%

The initial trend rate was based on a combination of employer history, national trend surveys, and professional judgment.

The ultimate trend rate was selected based on historical medical CPI information.

* Reflects actual premium increases from 2023 to 2024

PEMHCA Minimum Required Contribution The CalPERS PEMHCA Minimum Required Contribution (MRC) is assumed to increase 4% per year. Actual PEMHCA minimum required contribution amounts were reflected for 2024 and 2025.

Authority Plan Maximum The plan maximum amount for employees hired after 7/1/2017 is assumed to remain constant for all future years. The PEHMCA minimum required contribution is reflected for years that it exceeds the Authority Plan Maximum.

Actuarial Methods and Assumptions

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Models

ProVal

Valuation software developed by Winklevoss Technologies, LLC. This software is widely used for the purpose of performing postretirement medical valuations. We coded the plan provisions, assumptions, methods, and participant data summarized in this report, and reviewed the liability and cost outputs for reasonableness. We are not aware of any weakness or limitations in the software and have determined it is appropriate for performing this valuation.

CalPERS 2021 Aging Factors

Aging factors are used to develop per capita costs by age for plans with limited credible exposure to develop plan-specific factors. Aging factors used for this valuation are the CalPERS 2021 aging factors. We are not aware of any weakness or limitations in the factors and have determined they are appropriate for performing this valuation.

APPENDIX

Appendix

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Comparison of Participant Demographic Information

The active participants' number below may include active employees who currently have no health care coverage. Refer to Summary of Participants section for an accurate breakdown of active employees with and without coverage.

	As of January 1, 2021	As of January 1, 2023
Active Participants	61	54
Retired Participants	47	50
Averages for Active		
Age	41.9	43.7
Service	8.5	9.0
Averages for Inactive		
Age	66.3	67.3

Actuary Notes

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

There has been a plan change since the last full valuation for fiscal year ending June 30, 2023. The Authority plan maximum amount for employees hired after 7/1/2017 has been updated from the CalPERS PEHMCA minimum required contribution to \$200 per month. This update is reflected as a plan change for fiscal year ending June 30, 2024, and led to a slight increase in liabilities.

Interim year valuation results have been projected from the prior year's valuation, with adjustments for actual premium increases from 2023 to 2024 and CalPERS PEMHCA minimum required contributions increases from 2023 to 2025. The result of this update was an increase in liabilities.

Additionally, health care trend rates have been updated to an initial trend rate of 8.0% pre-65 and 6.50% post-65 decreasing by 0.25% annually to an ultimate rate of 4.50%. The impact of this change was an increase in liabilities.

Premium Rates

SOCWA participates in the CalPERS Health Program, a community-rated program for its medical coverage. The following tables summarize the current monthly premiums for the primary medical plans in which the retirees are enrolled. All premiums are effective for the 2024 calendar year.

2024 CalPERS Premiums - Region 2	Kaiser	BS Access+	BS Trio	PERS Gold	PERS Platinum	Sharp	UHC Harmony
Retiree Only	\$ 904.95	\$ 869.14	\$ 810.24	\$ 799.44	\$ 1,151.50	\$ 833.24	\$ 792.65
Retiree plus Spouse	\$ 1,809.90	\$ 1,738.28	\$ 1,620.48	\$ 1,598.88	\$ 2,303.00	\$ 1,666.48	\$ 1,585.30
Retiree Only – Medicare	\$ 324.79	\$ 392.68	\$ 392.68	\$ 406.60	\$ 448.15	\$ 256.53	\$ 366.01

2024 CalPERS Premiums - Region 2	UHC Alliance	Anthem HMO Select	Anthem HMO Traditional	Health Net Salud	PORAC
Retiree Only	\$ 837.88	\$ 807.71	\$ 1,034.38	\$ 684.77	\$ 926.00
Retiree plus Spouse	\$ 1,675.76	\$ 1,615.42	\$ 2,068.76	\$ 1,369.54	\$ 1,863.00
Retiree Only – Medicare	\$ 341.72	\$ 405.83	\$ 405.83	N/A	\$ 465.00

2024 CalPERS Premiums - Region 3	Kaiser	BS Access+	BS Trio	PERS Gold	PERS Platinum	PORAC
Retiree Only	\$ 865.41	\$ 756.65	\$ 704.69	\$ 785.28	\$ 1,131.47	\$ 926.00
Retiree plus Spouse	\$ 1,730.82	\$ 1,513.30	\$ 1,409.38	\$ 1,570.56	\$ 2,262.94	\$ 1,863.00
Retiree Only – Medicare	\$ 324.79	\$ 392.68	\$ 392.68	\$ 406.60	\$ 448.15	\$ 465.00

Actuary Notes

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Premium Rates (continued)

2024 CalPERS Premiums - Region 3	UHC Harmony	UHC Alliance	Anthem HMO Select	Anthem HMO Traditional	Health Net Salud
Retiree Only	\$ 734.76	\$ 826.44	\$ 841.13	\$ 1,012.67	\$ 630.13
Retiree plus Spouse	\$ 1,469.52	\$ 1,652.88	\$ 1,682.26	\$ 2,025.34	\$ 1,260.26
Retiree Only – Medicare	\$ 366.01	\$ 341.72	\$ 405.83	\$ 405.83	N/A

2024 CalPERS Premiums – Out of State	PERS Platinum	PORAC	Blue Shield	UHC Alliance
Retiree Only	\$ 1,146.86	\$ 1,056.00	N/A	N/A
Retiree plus Spouse	\$ 2,293.72	\$ 2,144.00	N/A	N/A
Retiree Only - Medicare	\$ 448.15	\$ 465.00	\$ 392.68	\$ 341.72

CalPERS PEMHCA Minimum Required Contribution (MRC)

Calendar Year	MRC
2023	\$ 151
2024	\$ 157
2025	\$ 158

CalPERS Risk Adjustment

CalPERS has implemented a risk mitigation strategy to risk adjust premiums for HMO and PPO plans. The 2024 premiums were adjusted using a risk score to stabilize the program over a three-year transition period starting in 2024. This valuation does not make any adjustments for the CalPERS risk adjustment program. This will be updated for the next per capita cost update which will be for the FY 2024/25 full valuation.

Appendix

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

Valuation Results Summary

Below is the summary of the GASB results for fiscal year ending June 30, 2024 based on the Entry Age Normal Level % of Pay cost method with a discount rate of 6.50%.

Present Value of Employer Contributions	Explicit		Implicit		Total
Active	\$	6,685,844	\$	1,400,158	\$ 8,086,002
Retirees	\$	7,382,554	\$	475,467	\$ 7,858,021
Total	\$	14,068,398	\$	1,875,625	\$ 15,944,023

Total (Accrued) OPEB Liability	Explicit		Implicit		Total
Active	\$	3,426,088	\$	717,496	\$ 4,143,584
Retirees	\$	7,382,554	\$	475,467	\$ 7,858,021
Total	\$	10,808,642	\$	1,192,963	\$ 12,001,605

Projected Employer Contributions (Calendar Year)	Explicit		Implicit		Total
2024	\$	570,329	\$	161,014	\$ 731,343
2025	\$	578,487	\$	200,931	\$ 779,418
2026	\$	614,691	\$	198,307	\$ 812,998
2027	\$	653,931	\$	131,570	\$ 785,501
2028	\$	663,717	\$	174,200	\$ 837,917
2029	\$	713,928	\$	124,880	\$ 838,808
2030	\$	740,055	\$	109,970	\$ 850,025
2031	\$	762,055	\$	28,222	\$ 790,277
2031	\$	741,519	\$	78,984	\$ 820,503
2033	\$	754,942	\$	62,491	\$ 817,433

GLOSSARY

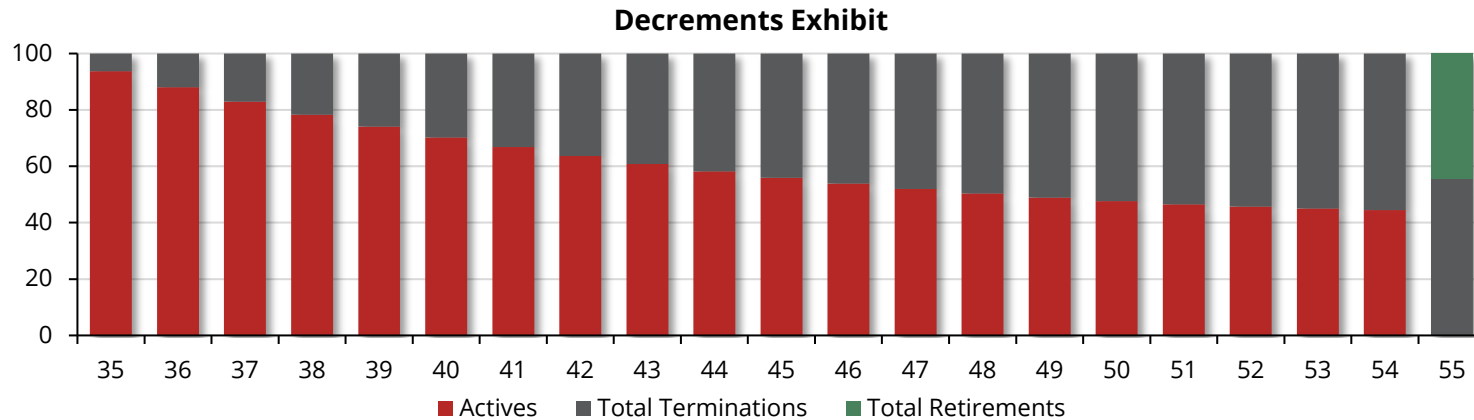
Glossary – Decrements Exhibit

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

The table below illustrates how actuarial assumptions can affect a long-term projection of future liabilities. Starting with 100 employees at age 35, the illustrated actuarial assumptions show that 44.43 employees out of the original 100 are expected to retire and could elect retiree health benefits at age 55.

Age	# Remaining Employees	# of Terminations per Year ¹	# of Retirements per Year	Total Decrements
35	100.000	6.276	0.000	6.276
36	93.724	5.677	0.000	5.677
37	88.047	5.136	0.000	5.136
38	82.911	4.648	0.000	4.648
39	78.262	4.209	0.000	4.209
40	74.053	3.814	0.000	3.814
41	70.239	3.456	0.000	3.456
42	66.783	3.131	0.000	3.131
43	63.652	2.835	0.000	2.835
44	60.817	2.564	0.000	2.564
45	58.253	2.316	0.000	2.316

Age	# Remaining Employees	# of Terminations per Year	# of Retirements per Year	Total Decrements
46	55.938	2.085	0.000	2.085
47	53.853	1.866	0.000	1.866
48	51.987	1.656	0.000	1.656
49	50.331	1.452	0.000	1.452
50	48.880	1.253	0.000	1.253
51	47.627	1.060	0.000	1.060
52	46.567	0.877	0.000	0.877
53	45.690	0.707	0.000	0.707
54	44.983	0.553	0.000	0.553
55	44.430	0.000	44.430	44.430



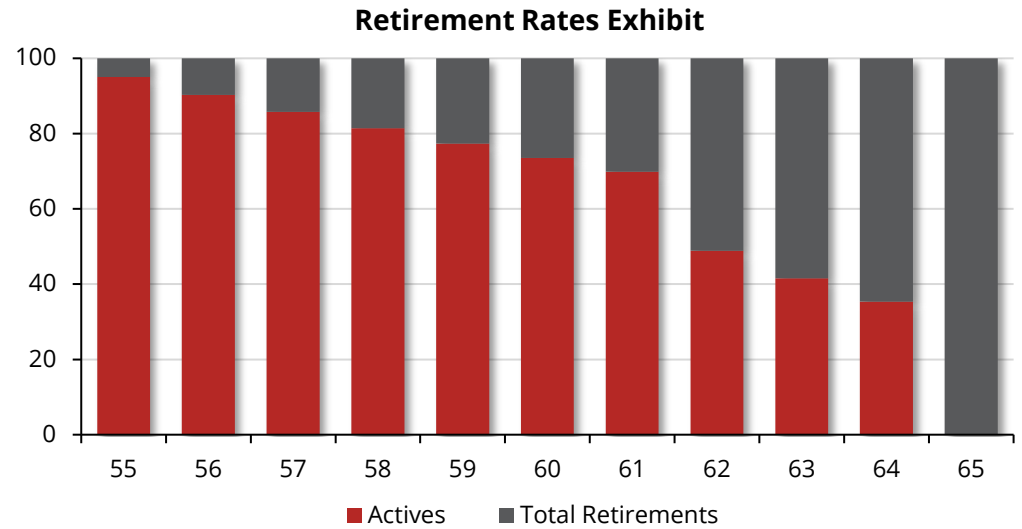
¹ The above rates are illustrative rates and are not used in our GASB calculations.

Glossary – Retirement Rates Exhibit

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

The table below illustrates how actuarial assumptions can affect a long-term projection of future liabilities. The illustrated retirement rates show the number of employees who are assumed to retire annually based on 100 employees age 55 who are eligible for retiree health care coverage. The average age at retirement is 62.0.

Age	Active Employees BOY	Annual Retirement Rates*	# Retirements per Year	Active Employees EOY
55	100.000	5.0%	5.000	95.000
56	95.000	5.0%	4.750	90.250
57	90.250	5.0%	4.513	85.738
58	85.738	5.0%	4.287	81.451
59	81.451	5.0%	4.073	77.378
60	77.378	5.0%	3.869	73.509
61	73.509	5.0%	3.675	69.834
62	69.834	30.0%	20.950	48.884
63	48.884	15.0%	7.333	41.551
64	41.551	15.0%	6.233	35.318
65	35.318	100.0%	35.318	0.000



* The above rates are illustrative rates and are not used in our GASB calculations.

Glossary – Definitions

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

GASB 75 defines several unique terms not commonly employed in the funding of pension and retiree health plans. The definitions of the terms used in the GASB actuarial valuations are noted below.

1. **Actuarial Assumptions** – Assumptions as to the occurrence of future events affecting health care costs, such as: mortality, withdrawal, disablement and retirement; changes in compensation and Government provided health care benefits; rates of investment earnings and asset appreciation or depreciation; procedures used to determine the Actuarial Value of Assets; characteristics of future entrants for Open Group Actuarial Cost Methods; and other relevant items.
2. **Actuarial Cost Method** – A procedure for determining the Actuarial Present Value of Future Benefits and expenses and for developing an actuarially equivalent allocation of such value to time periods, usually in the form of a Service Cost and a Total OPEB Liability.
3. **Actuarially Determined Contribution** - A target or recommended contribution to a defined benefit OPEB plan for the reporting period, determined in accordance with the parameters and in conformity with Actuarial Standards of Practice.
4. **Actuarial Present Value** – The value of an amount or series of amounts payable or receivable at various times, determined as of a given date by the application of a particular set of Actuarial Assumptions. For purposes of this standard, each such amount or series of amounts is:
 - a. adjusted for the probable financial effect of certain intervening events (such as changes in compensation levels, Social Security, marital status, etc.);
 - b. multiplied by the probability of the occurrence of an event (such as survival, death, disability, termination of employment, etc.) on which the payment is conditioned; and
 - c. discounted according to an assumed rate (or rates) of return to reflect the time value of money.
5. **Deferred Outflow / (Inflow) of Resources** – represents the following items that have not been recognized in the OPEB Expense:
 - a. Differences between expected and actual experience of the OPEB plan
 - b. Changes in assumptions
 - c. Differences between projected and actual earnings in OPEB plan investments (for funded plans only)
6. **Explicit Subsidy** – The difference between (a) the amounts required to be contributed by the retirees based on the premium rates and (b) actual cash contribution made by the employer.
7. **Funded Ratio** – The actuarial value of assets expressed as a percentage of the Total OPEB Liability.

Glossary – Definitions

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

8. **Healthcare Cost Trend Rate** – The rate of change in the per capita health claims costs over time as a result of factors such as medical inflation, utilization of healthcare services, plan design, and technological developments.
9. **Implicit Subsidy** – In an experience-rated healthcare plan that includes both active employees and retirees with blended premium rates for all plan members, the difference between (a) the age-adjusted premiums approximating claim costs for retirees in the group (which, because of the effect of age on claim costs, generally will be higher than the blended premium rates for all group members) and (b) the amounts required to be contributed by the retirees.
10. **OPEB** – Benefits (such as death benefits, life insurance, disability, and long-term care) that are paid in the period after employment and that are provided separately from a pension plan, as well as healthcare benefits paid in the period after employment, regardless of the manner in which they are provided. OPEB does not include termination benefits or termination payments for sick leave.
11. **OPEB Expense** – Changes in the Net OPEB Liability in the current reporting period, which includes Service Cost, interest cost, changes of benefit terms, expected earnings on OPEB Plan investments, reduction of active employees' contributions, OPEB plan administrative expenses, and current period recognition of Deferred Outflows / (Inflows) of Resources.
12. **Pay-as-you-go** – A method of financing a benefit plan under which the contributions to the plan are generally made at about the same time and in about the same amount as benefit payments and expenses becoming due.
13. **Per Capita Costs** – The current cost of providing postretirement health care benefits for one year at each age from the youngest age to the oldest age at which plan participants are expected to receive benefits under the plan.
14. **Present Value of Future Benefits** – Total projected benefits include all benefits estimated to be payable to plan members (retirees and beneficiaries, terminated employees entitled to benefits but not yet receiving them, and current active members) as a result of their service through the valuation date and their expected future service. The actuarial present value of total projected benefits as of the valuation date is the present value of the cost to finance benefits payable in the future, discounted to reflect the expected effects of the time value (present value) of money and the probabilities of payment. Expressed another way, it is the amount that would have to be invested on the valuation date so that the amount invested plus investment earnings will provide sufficient assets to pay total projected benefits when due.
15. **Real Rate of Return** – the rate of return on an investment after adjustment to eliminate inflation.

Glossary – Definitions

South Orange County Wastewater Authority Interim GASB 74/75 Valuation for Fiscal Year Ending June 30, 2024

16. **Select and Ultimate Rates** – Actuarial assumptions that contemplate different rates for successive years. Instead of a single assumed rate with respect to, for example, the investment return assumption, the actuary may apply different rates for the early years of a projection and a single rate for all subsequent years. For example, if an actuary applies an assumed investment return of 8% for year 20W0, then 7.5% for 20W1, and 7% for 20W2 and thereafter, then 8% and 7.5% select rates, and 7% is the ultimate rate.
17. **Service Cost** – The portion of the Actuarial Present Value of projected benefit payments that are attributed to a valuation year by the Actuarial Cost Method.
18. **Substantive Plan** – The terms of an OPEB plan as understood by the employer(s) and plan members.
- Total OPEB Liability** – That portion, as determined by a particular Actuarial Cost Method, of the Actuarial Present Value of Future Benefits which is attributed to past periods of employee service (or not provided for by the future Service Cos



SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

PARS 115 Trust – OPEB Prefunding Program Client Review &
Pension Rate Stabilization Program Update
September 4, 2024

CONTACTS



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INVESTMENT MANAGER UPDATE

- HighMark Capital Management (HighMark) previously served as investment manager for your PARS plans since the inception of the plan in 2009
- On January 1, 2024, HighMark's institutional advisory business was transferred to PFM Asset Management (PFMAM)
- Your PARS plan assets are now currently managed by PFMAM as a result of this transition
- No change in your Authority's portfolio's asset allocation or investment strategy selection
- No additional action is required by your Authority
- Investments portfolios will continue to be managed by portfolio managers at PFMAM who were formerly from both HighMark and U.S. Bank

PARS TRUST TEAM

Trust Administrator & Consultant*



- Serves as record-keeper, consultant, and central point of contact
- Sub-trust accounting
- Coordinates all agency services
- Monitors plan compliance (IRS/GASB/State Government Code)
- Processes contributions/disbursements
- Hands-on, dedicated support teams

40	2,000+	1,000+	500+	500K+	\$8.1B
Years of Experience (1984-2024)	Plans under Administration	Public Agency Clients	115 Trust Clients	Plan Participants	Assets under Administration

* See important information regarding PARS in the Disclaimer page at the end of the presentation.

Trustee



- 5th largest commercial bank
- Safeguard plan assets
- Oversight protection as plan fiduciary
- Custodian of assets

161	\$10.3T
Years of Experience (1863-2024)	Assets under Administration

Investment Manager



- Investment sub-advisor to trustee U.S. Bank
- Institutional asset management solutions
- Fixed income and multi asset portfolios
- Active and passive platform options
- Customized portfolios (with minimum asset level)

40+	\$244.8B*
Years of Experience (As of 3/31/24)	Assets under Management & Advisement

*Assets under management and advisement as of March 31, 2024, includes fixed income and multi asset class portfolios
Investment Management Services by PFM Asset Management as sub-advisor

PARS ADMINISTRATIVE SERVICES

- Fielding Agency information requests
- Preparing monthly and annual Agency statements
- Provide Quarterly Investment Updates
- Coordinating annual audit of PARS Trust by independent CPA firm for purposes of GASB reporting
- Assisting Agency with ongoing compliance and qualification issues

PARS PLANS AND PROGRAMS

1 Pension Rate Stabilization Program (PRSP)

A pension prefunding trust designed specifically to address GASB 68 liabilities on its financial statements and stabilize future costs.

2 OPEB Trust Program

An OPEB prefunding trust designed to address OPEB liabilities and increase investment rates of return (discount rate).

115 Combo Trust

3 Alternate Retirement System (ARS)

An alternative to Social Security for part-time employees offered to provide a valuable benefit for employees and permanent payroll savings to the Agency.

4 Supplemental Defined Contribution Plan

A locally designed retirement plan offered in addition to PERS or 37-Act retirement system with the goal of attracting and retaining select employees to the Agency.

5 Accumulated Leave Plan

A Defined Contribution solution that reduces leave balances on an annual basis during employment and minimizes total payout amounts.

SECTION 115 TRUST BACKGROUND

- Section 115 Trusts are used by local governments to fund essential governmental functions (i.e., pension benefits and retiree health care) into an irrevocable trust
- The PARS Trust received the first IRS Private Letter Ruling (PLR) in June 2015 to fund both OPEB and Pension Liabilities for a multiple-employer trust
- Any income derived from a Section 115 Trust is tax exempt
- Govt Code Section 53216.6 and 53620 govern plan investments within the Trust
- Once contributions are placed into The PARS Trust, assets from the Trust can be used for specific benefit plan purposes including:
 - Reimbursing the Agency for OPEB Pay-as-you-Go expenses
 - Pay OPEB expenses directly to retiree
 - Paying plan expenses (actuarial valuation or audit)

SUMMARY OF AGENCY'S OPEB PLAN

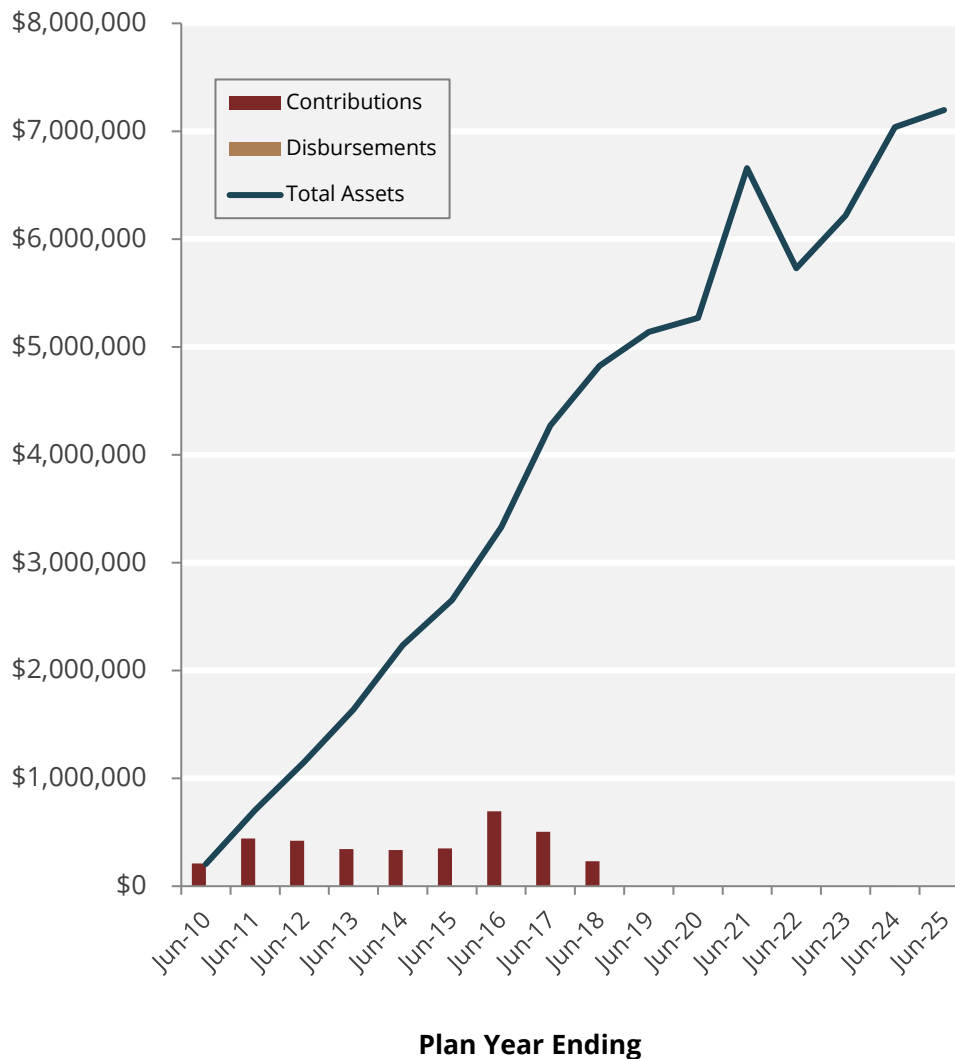
Plan Type:	IRC Section 115 Irrevocable Exclusive Benefit Trust
Trustee Approach:	Discretionary
Plan Effective Date:	August 6, 2009
Plan Administrator:	General Manager
Current Investment Strategy:	Balanced Strategic Blend; Pooled Account

AS OF JULY 31, 2024:

Initial Contribution:	December 2009: \$211,652
Additional Contributions:	\$3,326,955
Total Contributions:	\$3,538,607
Disbursements:	\$0
Net Investment Earnings:	\$3,657,452
Account Balance:	\$7,196,059

SUMMARY OF AGENCY'S OPEB PLAN

HISTORY OF CONTRIBUTIONS, DISBURSEMENTS, AND TOTAL ASSETS AS OF JULY 31, 2024:



Year	Contributions	Disbursements	Total Assets
Jun-10*	\$211,652	\$0	\$205,233
Jun-11	\$442,146	\$0	\$706,354
Jun-12	\$420,956	\$0	\$1,150,952
Jun-13	\$345,000	\$0	\$1,638,204
Jun-14	\$335,445	\$0	\$2,235,194
Jun-15	\$350,186	\$0	\$2,652,657
Jun-16	\$694,403	\$0	\$3,330,221
Jun-17	\$504,000	\$0	\$4,269,924
Jun-18	\$231,000	\$0	\$4,823,410
Jun-19	\$0	\$0	\$5,137,817
Jun-20	\$0	\$0	\$5,270,639
Jun-21	\$0	\$0	\$6,657,222
Jun-22	\$0	\$0	\$5,727,973
Jun-23	\$0	\$0	\$6,218,496
Jun-24	\$3,818	\$0	\$7,038,273
Jun-25**	\$0	\$0	\$7,196,059

*Plan Year Ending June 2010 is based on 7 months of activity.
 **Plan Year Ending June 2025 is based on 1 month of activity.

OPEB ACTUARIAL RESULTS

- We have received the GASB 74/75 Interim Actuarial Valuation by *Nyhart* dated August 27, 2024, with a measurement date as of June 30, 2024. In the table below, we have summarized the results.

Demographic Study	Measurement Date: June 30, 2022 <i>From the 2023 Annual Comprehensive Financial Report</i>	Measurement Date: June 30, 2024 <i>From the 2024 GASB 75 Actuarial Valuation</i>
Actives	54	57
Retirees	50	50
Total	104	107

OPEB ACTUARIAL RESULTS

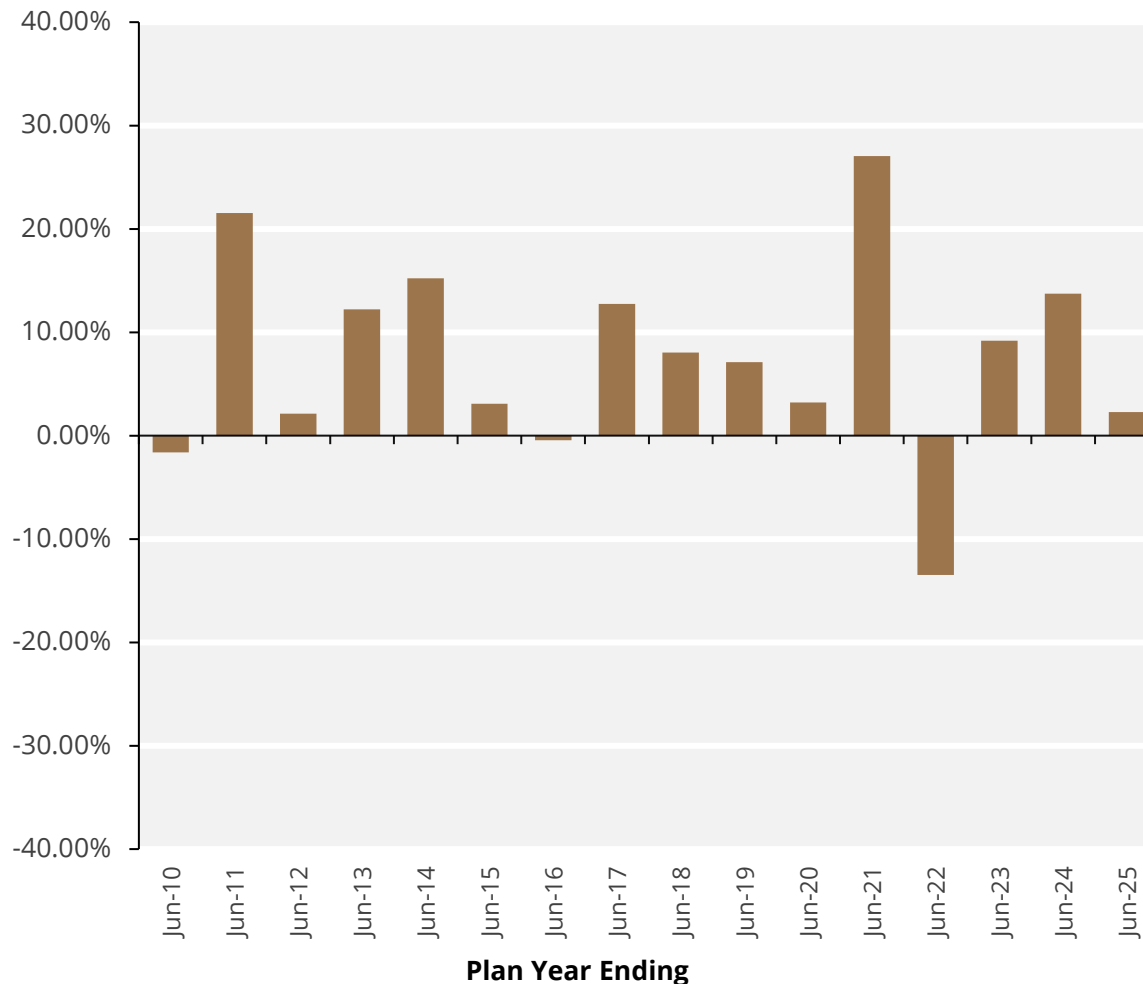
	Measurement Date: June 30, 2023 Discount Rate: 6.50% <i>From the 2023 Annual Comprehensive Financial Report</i>	Measurement Date: June 30, 2024 Discount Rate: 6.50% <i>From the 2024 GASB 75 Actuarial Valuation</i>
Total OPEB liability	\$10,993,133	\$12,001,605
Fiduciary Net Position	\$6,218,496	\$7,038,273*
Net OPEB liability	\$4,774,637	\$4,963,332
Funded Ratio (%)	56.6%	58.6%
Actuarially Determined Contribution (ADC)	\$648,238 <i>for FY 2022-23</i>	\$681,796 <i>for FY 2023-24</i>
Annual Benefit Payments (Pay-as-you-Go)	\$710,421 <i>for FY 2022-23</i>	\$741,656 <i>for FY 2023-24</i>

*As of July 31, 2024, assets at \$7,196,059 (approx. ~60.0% funded), assuming no change in TOL.

Rule of thumb: For every one percent increase in the discount rate, the unfunded liability is lowered by 10-12%.

OPEB PLAN TOTAL RETURNS

AS OF JULY 31, 2024:



Year	Returns
Jun-10*	-1.62%
Jun-11	21.53%
Jun-12	2.14%
Jun-13	12.23%
Jun-14	15.23%
Jun-15	3.07%
Jun-16	-0.46%
Jun-17	12.75%
Jun-18	8.03%
Jun-19	7.12%
Jun-20	3.20%
Jun-21	27.05%
Jun-22	-13.47%
Jun-23	9.18%
Jun-24	13.73%
Jun-25**	2.29%

Inception to Date (Annualized)

7.89%

*Plan Year Ending June 2010 is based on 7 months of activity.

**Plan Year Ending June 2025 is based on 1 month of activity.

Returns are net of the embedded fund fees and gross of trustee and trust administrator fees

Information as provided by US Bank, Trustee for PARS; Not FDIC Insured; No Bank Guarantee; May Lose Value. Past performance does not guarantee future results. Performance returns are impacted by agency plan activity and may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change.

The advisor to the PARS portfolios is U.S. Bank, and PFM Asset Management serves as sub-advisor to U.S. Bank to manage these portfolios. Please see important additional disclosures to the PARS portfolios included in the individual strategy information at the end of this presentation.

INVESTMENT REVIEW



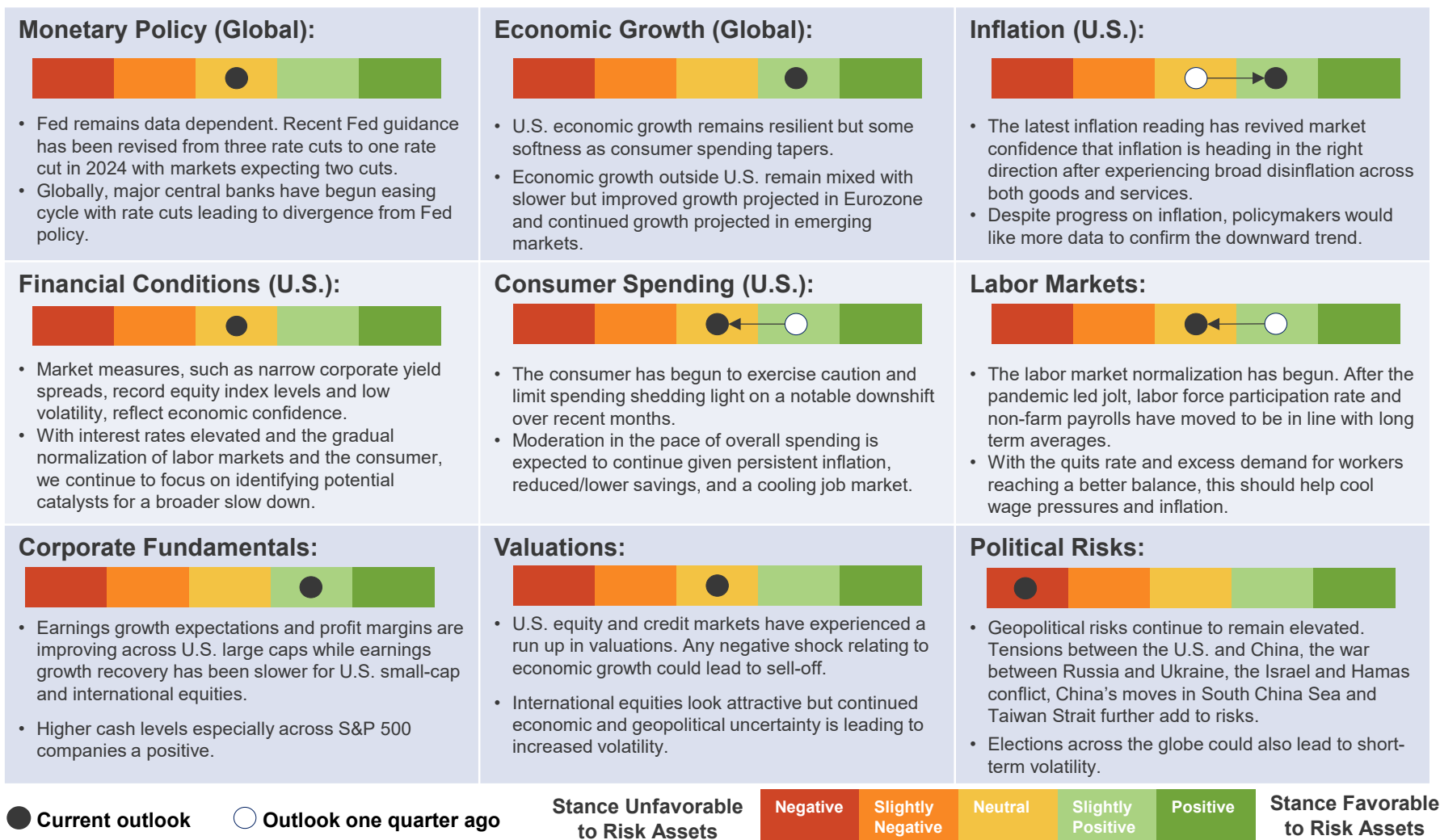
PARS OPEB Trust Balanced Strategic Blend

Investment Performance Review For the Quarter Ended June 30, 2024

Client Management Team	PFM Asset Management LLC	
PFM Asset Management	1 California Street Suite 1000 San Francisco, CA 94111	1735 Market Street 43rd Floor Philadelphia, PA 19103













Financial Markets & Investment Strategy Review

Factors to Consider Over the Next 6-12 Months



Statements and opinions expressed about the next 6-12 months were developed based on our independent research with information obtained from Bloomberg. The views expressed within this material constitute the perspective and judgment of PFM Asset Management LLC at the time of distribution (June 30, 2024) and are subject to change. Information is obtained from sources generally believed to be reliable and available to the public; however, PFM Asset Management LLC cannot guarantee its accuracy, completeness, or suitability.

Investment Strategy Overview

Asset Class	Our Q3 2024 Investment Outlook	Comments
U.S. Equities		<ul style="list-style-type: none"> Recent earnings strength, fiscal support, and moderating inflation are positives, while rate cut uncertainty, election related volatility, higher valuations and geopolitical turbulence are negatives. The fed continues to be data dependent with recent guidance pointing to one rate cut. Given the rate cut uncertainty, we prefer to remain close to targets currently. Rising valuations for large caps are supported by improving earnings growth expectations but market breadth (measured by performance difference between equal weight and market cap weighted S&P 500) has been lagging in the recent months. Small-cap valuations are attractive and would benefit as investor sentiment/earnings growth expectations improve. Exposure to interest rate sensitive sectors such as regional banks remains a concern.
Large-Caps		
Small-Caps		
Non-U.S. Equities		<ul style="list-style-type: none"> International equities continue to trade at a discount to U.S. equities but stronger dollar and slower growth in Eurozone warrants a neutral stance. Recent ECB rate cuts, the recovery in manufacturing and services activity along with recent recovery in PEs are positive for developed market equities that continue to look attractive, but election related volatility needs to be watched. EM equities trade at attractive valuations relative to developed market equities but strong dollar and China's uncertain growth weigh on outlook.
Developed Markets		
Emerging Markets		
Fixed Income		<ul style="list-style-type: none"> The higher for longer narrative has led to increased volatility and uncertainty around rate cut path. Yields at the short-end of the curve look attractive even as long-term yields fell back from the recent highs. Given the rate cut scenarios, we are maintaining duration close to the benchmark duration and consider ways to close any duration gap over the next few months. Credit markets remain attractive due to strong corporate fundamentals. We remain positive on investment-grade but are scaling down our exposure within high yield given the tighter spreads. We continue to closely watch for signs for any distress in the corporate credit space.
Core Bonds		
Investment Grade Credit		
High Yield Credit		
Diversifying Assets		<ul style="list-style-type: none"> Lower office sector exposure, attractive valuations and possibility of rate cuts this year are positives for listed real estate while higher level of interest rates is a headwind. Transition to renewable energy and increase in AI led data center infrastructure spend are tailwinds for listed infrastructure while higher level of interest rates is a headwind.
Listed Real Estate		
Listed Global Infrastructure		

● Current outlook
○ Outlook one quarter ago

Negative
Slightly Negative
Neutral
Slightly Positive
Positive

The view expressed within this material constitute the perspective and judgment of PFM Asset Management LLC at the time of distribution (June 30, 2024) and are subject to change.

Plan Performance Summary

Asset Allocation & Performance

	Allocation	Performance(%)								Inception Date
	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	
Total Portfolio	100.00	1.38	6.44	13.62	2.37	7.05	7.21	6.53	6.05	02/01/2007
<i>Blended Benchmark</i>		1.22	6.02	12.43	2.75	7.15	7.20	6.68	6.27	
Domestic Equity	46.17	2.34	12.33	22.41	6.45	12.72	12.33	11.19	9.01	02/01/2007
<i>Russell 3000 Index</i>		3.22	13.56	23.12	8.05	14.14	13.48	12.15	9.85	
Dodge & Cox Stock	4.56	0.01	8.51	18.98	7.31	12.99	11.52	10.60	8.39	02/01/2024
iShares S&P 500 Value ETF	2.24	-2.14	5.69	15.08	9.39	11.70	10.62	9.71	5.40	02/01/2024
Columbia Contrarian Core Inst3	6.58	5.44	16.51	27.57	10.43	16.33	14.32	12.96	14.42	02/01/2024
Vanguard Growth & Income Adm	11.82	4.11	17.05	26.42	10.48	15.31	14.35	12.89	14.20	02/01/2024
Harbor Capital Appreciation Ret	3.87	6.52	21.17	36.14	7.01	18.00	18.07	N/A	16.24	02/01/2024
iShares S&P 500 Growth ETF	3.47	9.53	23.44	32.27	9.22	16.66	16.49	14.76	19.99	02/01/2024
<i>S&P 500</i>		4.28	15.29	24.56	10.01	15.05	14.28	12.86	13.39	
iShares Russell Mid-Cap ETF	5.64	-3.39	4.87	12.69	2.22	9.29	9.47	8.88	6.40	02/01/2024
<i>Russell Midcap Index</i>		-3.35	4.96	12.88	2.37	9.46	9.63	9.04	6.48	
Undisc Managers Behavioral Val R6	3.96	-4.32	1.80	16.22	6.66	11.22	9.24	9.14	4.00	02/01/2024
Emerald Growth Institutional	4.03	3.77	9.82	15.45	-1.31	8.12	9.30	9.51	13.67	02/01/2024
<i>Russell 2000 Index</i>		-3.28	1.73	10.06	-2.58	6.94	6.85	7.00	5.85	
International Equity	10.81	2.22	6.79	11.50	-0.25	5.87	5.25	4.18	3.25	02/01/2007
<i>MSCI AC World ex USA (Net)</i>		0.96	5.69	11.62	0.46	5.55	5.17	3.84	3.37	
MFS International Growth R6	1.40	1.45	6.36	8.73	1.87	7.29	7.89	6.73	7.19	02/01/2024
<i>MSCI AC World ex USA (Net)</i>		0.96	5.69	11.62	0.46	5.55	5.17	3.84	6.75	
Fidelity International Index	3.96	-0.27	5.50	11.37	3.07	6.65	5.86	4.47	N/A	07/01/2024
<i>MSCI EAFE (net)</i>		-0.42	5.34	11.54	2.89	6.46	5.73	4.33	N/A	
Goldman Sachs GQG Ptnrs Intl Opportunities	1.45	2.98	17.01	29.38	8.70	12.11	12.09	N/A	N/A	07/01/2024
<i>MSCI AC World ex USA (Net)</i>		0.96	5.69	11.62	0.46	5.55	5.17	3.84	N/A	
Hartford Schrodgers Emerging Mkts Eq	4.01	5.57	9.22	11.11	-6.13	3.40	4.05	N/A	14.35	02/01/2024
<i>MSCI EM (net)</i>		5.00	7.49	12.55	-5.07	3.10	3.54	2.79	12.72	

Returns are gross of investment advisory fees and net of mutual fund fees. Returns are expressed as percentages and for periods over one year are annualized. Asset class level returns may vary from individual underlying manager returns due to cash flows. Total Portfolio returns prior to 1/1/2024 were provided by previous Advisor and believed to be accurate and reliable. Returns for January 2024 were calculated by the legacy performance system 164 previous Advisor and believed to be accurate and reliable.

Asset Allocation & Performance

	Allocation	Performance(%)								
	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	Inception Date
Other Growth	2.95	-4.50	N/A	N/A	N/A	N/A	N/A	N/A	-0.72	02/01/2024
Cohen & Steers Inst Realty Shares	2.05	0.66	0.17	6.89	-0.13	5.30	6.50	7.19	2.35	06/01/2024
MSCI US REIT Index		0.08	-0.24	7.60	0.20	3.89	4.84	5.83	2.88	
MainStay CBRE Global Infrastructure	0.90	-0.44	-0.42	1.70	1.06	3.84	5.35	5.33	-4.03	06/01/2024
FTSE Global Core Infrastructure 50/50 Index (Net)		0.73	2.29	4.34	2.18	3.07	4.71	4.79	-2.68	
Fixed Income	35.94	0.40	-0.01	3.99	-2.14	0.40	1.31	1.62	3.36	02/01/2007
Blmbg. U.S. Aggregate		0.07	-0.71	2.63	-3.02	-0.23	0.86	1.35	2.96	
Baird Aggregate Bond Inst	9.31	0.24	-0.21	3.69	-2.73	0.24	1.25	1.75	1.20	03/01/2024
iShares Core US Aggregate Bond ETF	6.74	0.13	-0.62	2.61	-3.02	-0.26	0.83	1.31	0.97	03/01/2024
Blmbg. U.S. Aggregate		0.07	-0.71	2.63	-3.02	-0.23	0.86	1.35	0.99	
Dodge & Cox Income	8.96	0.51	0.18	4.54	-1.41	1.43	2.13	2.35	0.26	02/01/2024
PGIM Total Return Bond R6	9.15	0.47	0.61	5.10	-2.54	0.33	1.59	2.21	0.36	02/01/2024
Blmbg. U.S. Aggregate		0.07	-0.71	2.63	-3.02	-0.23	0.86	1.35	-0.44	
MainStay MacKay High Yield Corp Bond Fund	1.78	1.41	3.12	9.69	2.54	4.22	4.45	4.55	2.74	03/01/2024
ICE BofA US High Yield Index		1.09	2.62	10.45	1.65	3.73	4.10	4.21	2.29	
Cash Equivalent	4.13	1.31	2.18	4.86	2.86	1.97	1.88	1.38	0.98	01/01/2008
ICE BofA 3 Month U.S. T-Bill		1.32	2.63	5.40	3.03	2.16	2.07	1.51	1.08	
First American Government Obligation - X	4.13	1.31	2.63	5.37	3.05	2.10	1.98	N/A	2.18	02/01/2024
ICE BofA 3 Month U.S. T-Bill		1.32	2.63	5.40	3.03	2.16	2.07	1.51	2.19	

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Calendar Year Comparative Performance

	Performance(%)									
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Total Portfolio	15.95	-15.21	11.52	13.60	20.13	-4.73	15.63	6.69	0.07	4.76
<i>Blended Benchmark</i>	<i>15.19</i>	<i>-14.58</i>	<i>12.54</i>	<i>13.07</i>	<i>19.78</i>	<i>-4.18</i>	<i>13.54</i>	<i>8.39</i>	<i>-0.30</i>	<i>7.49</i>
Domestic Equity	24.92	-18.85	23.57	18.56	29.35	-5.92	21.73	11.40	1.15	8.97
<i>Russell 3000 Index</i>	<i>25.96</i>	<i>-19.21</i>	<i>25.66</i>	<i>20.89</i>	<i>31.02</i>	<i>-5.24</i>	<i>21.13</i>	<i>12.74</i>	<i>0.48</i>	<i>12.56</i>
Dodge & Cox Stock	17.48	-7.22	31.73	7.16	24.83	-7.07	18.33	21.28	-4.49	10.40
iShares S&P 500 Value ETF	22.02	-5.41	24.67	1.24	31.71	-9.09	15.19	17.17	-3.24	12.14
Columbia Contrarian Core Inst3	32.21	-18.45	24.45	22.44	33.08	-8.81	21.89	8.77	3.25	13.14
Vanguard Growth & Income Adm	24.76	-17.11	29.11	18.08	29.77	-4.61	20.80	12.12	2.03	14.16
Harbor Capital Appreciation Ret	53.86	-37.67	15.74	54.56	33.39	-0.96	36.68	N/A	N/A	N/A
iShares S&P 500 Growth ETF	29.80	-29.51	31.76	33.21	30.91	-0.17	27.20	6.74	5.33	14.67
<i>S&P 500</i>	<i>26.29</i>	<i>-18.11</i>	<i>28.71</i>	<i>18.40</i>	<i>31.49</i>	<i>-4.38</i>	<i>21.83</i>	<i>11.96</i>	<i>1.38</i>	<i>13.69</i>
iShares Russell Mid-Cap ETF	17.07	-17.43	22.38	16.91	30.31	-9.13	18.32	13.58	-2.57	13.03
<i>Russell Midcap Index</i>	<i>17.23</i>	<i>-17.32</i>	<i>22.58</i>	<i>17.10</i>	<i>30.54</i>	<i>-9.06</i>	<i>18.52</i>	<i>13.80</i>	<i>-2.44</i>	<i>13.22</i>
Undisc Managers Behavioral Val R6	14.57	-1.10	34.50	3.62	23.34	-15.20	13.53	20.97	3.52	5.83
Emerald Growth Institutional	19.06	-24.50	4.04	38.85	28.70	-11.57	28.11	10.89	1.24	7.19
<i>Russell 2000 Index</i>	<i>16.93</i>	<i>-20.44</i>	<i>14.82</i>	<i>19.96</i>	<i>25.53</i>	<i>-11.01</i>	<i>14.65</i>	<i>21.31</i>	<i>-4.41</i>	<i>4.89</i>
International Equity	14.07	-15.86	4.69	14.40	23.68	-15.54	30.22	3.33	-5.23	-3.55
<i>MSCI AC World ex USA (Net)</i>	<i>15.62</i>	<i>-16.00</i>	<i>7.82</i>	<i>10.65</i>	<i>21.51</i>	<i>-14.20</i>	<i>27.19</i>	<i>4.50</i>	<i>-5.66</i>	<i>-3.87</i>
MFS International Growth R6	14.96	-15.02	9.65	15.82	27.31	-8.79	32.58	2.79	0.40	-5.01
<i>MSCI AC World ex USA (Net)</i>	<i>15.62</i>	<i>-16.00</i>	<i>7.82</i>	<i>10.65</i>	<i>21.51</i>	<i>-14.20</i>	<i>27.19</i>	<i>4.50</i>	<i>-5.66</i>	<i>-3.87</i>
Fidelity International Index	18.31	-14.24	11.45	8.17	22.00	-13.52	25.38	1.34	-0.73	-5.31
<i>MSCI EAFE (net)</i>	<i>18.24</i>	<i>-14.45</i>	<i>11.26</i>	<i>7.82</i>	<i>22.01</i>	<i>-13.79</i>	<i>25.03</i>	<i>1.00</i>	<i>-0.81</i>	<i>-4.90</i>
Goldman Sachs GQG Ptnrs Intl Opportunities	22.15	-11.10	12.49	15.77	27.64	-6.04	31.76	N/A	N/A	N/A
<i>MSCI AC World ex USA (Net)</i>	<i>15.62</i>	<i>-16.00</i>	<i>7.82</i>	<i>10.65</i>	<i>21.51</i>	<i>-14.20</i>	<i>27.19</i>	<i>4.50</i>	<i>-5.66</i>	<i>-3.87</i>
Hartford Schroders Emerging Mkts Eq	9.00	-22.14	-4.93	23.78	22.32	-15.42	N/A	N/A	N/A	N/A
<i>MSCI EM (net)</i>	<i>9.83</i>	<i>-20.09</i>	<i>-2.54</i>	<i>18.31</i>	<i>18.42</i>	<i>-14.57</i>	<i>37.28</i>	<i>11.19</i>	<i>-14.92</i>	<i>-2.19</i>

Returns are gross of investment advisory fees and net of mutual fund fees. Returns are expressed as percentages and for periods over one year are annualized. Asset class level returns may vary from individual underlying manager returns due to cash flows. Total Portfolio returns prior to 1/1/2024 were provided by previous Advisor and believed to be accurate and reliable. Returns for January 2024 were calculated by the legacy performance system of previous Advisor and believed to be accurate and reliable.

Calendar Year Comparative Performance

	Performance(%)									
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Other Growth	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cohen & Steers Inst Realty Shares	12.72	-24.73	42.47	-2.57	33.01	-3.99	7.45	5.91	5.23	30.18
MSCI US REIT Index	13.74	-24.51	43.06	-7.57	25.84	-4.57	5.07	8.60	2.52	30.38
MainStay CBRE Global Infrastructure	3.96	-6.08	15.22	1.17	28.46	-6.56	20.48	10.13	-4.89	14.67
FTSE Global Core Infrastructure 50/50 Index (Net)	2.21	-4.87	14.88	-4.06	25.13	-3.99	18.39	10.87	-8.79	15.40
Fixed Income	6.94	-12.26	-0.73	7.26	8.33	-0.27	4.53	3.21	0.22	3.99
Blmbg. U.S. Aggregate	5.53	-13.01	-1.55	7.51	8.72	0.01	3.54	2.65	0.55	5.97
Baird Aggregate Bond Inst	6.43	-13.35	-1.46	8.63	9.48	-0.30	4.20	3.52	0.55	6.89
iShares Core US Aggregate Bond ETF	5.59	-13.06	-1.67	7.42	8.68	-0.05	3.53	2.56	0.48	6.04
Blmbg. U.S. Aggregate	5.53	-13.01	-1.55	7.51	8.72	0.01	3.54	2.65	0.55	5.97
Dodge & Cox Income	7.70	-10.87	-0.91	9.45	9.73	-0.31	4.36	5.61	-0.59	5.48
PGIM Total Return Bond R6	7.78	-14.86	-1.15	8.10	11.14	-0.63	6.71	4.83	0.09	7.25
Blmbg. U.S. Aggregate	5.53	-13.01	-1.55	7.51	8.72	0.01	3.54	2.65	0.55	5.97
MainStay MacKay High Yield Corp Bond Fund	11.97	-7.81	5.35	5.28	13.03	-1.34	6.79	15.99	-1.44	1.75
ICE BofA US High Yield Index	13.46	-11.22	5.36	6.17	14.41	-2.27	7.48	17.49	-4.64	2.50
Cash Equivalent	4.95	1.48	0.02	0.35	2.08	1.72	0.75	0.27	0.04	0.02
ICE BofA 3 Month U.S. T-Bill	5.02	1.46	0.05	0.67	2.28	1.87	0.86	0.33	0.05	0.04
First American Government Obligation - X	5.00	1.54	0.03	0.40	2.12	1.74	0.79	N/A	N/A	N/A
ICE BofA 3 Month U.S. T-Bill	5.02	1.46	0.05	0.67	2.28	1.87	0.86	0.33	0.05	0.04

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Performance - Restated as of 3/31/2024

Asset Allocation & Performance

	Allocation	Performance(%)								Inception Date
	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	
Total Portfolio	100.00	4.99	4.99	16.21	3.69	7.44	7.50	6.70	6.06	02/01/2007
<i>Blended Benchmark</i>		4.73	4.73	15.17	3.98	7.57	7.40	6.92	6.28	
Domestic Equity	48.67	9.76	9.76	28.73	8.45	12.99	12.50	11.33	9.00	02/01/2007
<i>Russell 3000 Index</i>		10.02	10.02	29.29	9.78	14.34	13.45	12.33	9.79	
Dodge & Cox Stock	5.32	8.50	8.50	25.59	10.37	13.57	11.80	11.08	8.38	02/01/2024
iShares S&P 500 Value ETF	2.36	8.01	8.01	25.36	11.98	13.06	11.19	10.44	7.70	02/01/2024
Columbia Contrarian Core Inst3	6.41	10.50	10.50	34.37	11.44	16.16	14.07	12.94	8.52	02/01/2024
Vanguard Growth & Income Adm	12.56	12.44	12.44	31.75	11.98	15.21	14.10	13.03	9.70	02/01/2024
Harbor Capital Appreciation Ret	3.50	13.75	13.75	47.91	9.32	17.22	17.99	N/A	9.12	02/01/2024
iShares S&P 500 Growth ETF	3.55	12.69	12.69	33.49	9.99	15.57	15.68	14.36	9.55	02/01/2024
<i>S&P 500</i>		10.56	10.56	29.88	11.49	15.05	14.09	12.96	8.73	
iShares Russell Mid-Cap ETF	6.72	8.55	8.55	22.16	5.90	10.93	10.42	9.78	10.13	02/01/2024
<i>Russell Midcap Index</i>		8.60	8.60	22.35	6.07	11.10	10.58	9.95	10.17	
Undisc Managers Behavioral Val R6	4.25	6.39	6.39	21.25	9.73	12.70	10.04	9.96	8.69	02/01/2024
Emerald Growth Institutional	3.99	5.83	5.83	21.02	-1.45	7.91	9.71	8.79	9.53	02/01/2024
<i>Russell 2000 Index</i>		5.18	5.18	19.71	-0.10	8.10	7.73	7.58	9.44	
International Equity	11.08	4.48	4.48	11.56	0.38	6.07	5.92	4.44	3.17	02/01/2007
<i>MSCI AC World ex USA (Net)</i>		4.69	4.69	13.26	1.94	5.97	5.88	4.25	3.36	
Dodge & Cox International Stock	1.40	3.13	3.13	13.38	5.14	7.30	5.47	4.02	6.22	02/01/2024
MFS International Growth R6	1.42	4.85	4.85	10.36	3.70	8.02	9.21	7.08	5.66	02/01/2024
DFA Large Cap International I	4.35	5.73	5.73	15.46	5.34	7.86	7.10	5.04	6.49	02/01/2024
<i>MSCI AC World ex USA (Net)</i>		4.69	4.69	13.26	1.94	5.97	5.88	4.25	5.74	
Hartford Schroders Emerging Mkts Eq	3.90	3.46	3.46	7.24	-6.93	2.72	4.27	N/A	8.32	02/01/2024
<i>MSCI EM (net)</i>		2.37	2.37	8.15	-5.05	2.22	3.72	2.95	7.35	
Other Growth	1.61	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.96	02/01/2024
Vanguard Real Estate ETF	1.61	-1.19	-1.19	8.50	1.72	3.68	4.64	6.20	3.95	02/01/2024
<i>MSCI US REIT Index</i>		-0.32	-0.32	10.37	4.03	4.14	5.07	6.54	3.99	

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Asset Allocation & Performance

	Allocation	Performance(%)								Inception Date
	%	1 Quarter	Year To Date	1 Year	3 Years	5 Years	7 Years	10 Years	Since Inception	
Fixed Income	36.07	-0.41	-0.41	3.44	-1.60	0.92	1.50	1.77	3.38	02/01/2007
<i>Blmbg. U.S. Aggregate</i>		-0.78	-0.78	1.70	-2.46	0.36	1.06	1.54	3.00	
Baird Aggregate Bond Inst	9.38	-0.45	-0.45	2.80	-2.17	0.81	1.45	1.97	0.95	03/01/2024
iShares Core US Aggregate Bond ETF	6.81	-0.75	-0.75	1.61	-2.48	0.32	1.02	1.50	0.84	03/01/2024
<i>Blmbg. U.S. Aggregate</i>		-0.78	-0.78	1.70	-2.46	0.36	1.06	1.54	0.92	
Dodge & Cox Income	8.99	-0.32	-0.32	4.09	-0.92	1.89	2.28	2.52	-0.24	02/01/2024
PGIM Total Return Bond R6	9.08	0.14	0.14	4.61	-1.68	0.96	1.84	2.43	-0.11	02/01/2024
<i>Blmbg. U.S. Aggregate</i>		-0.78	-0.78	1.70	-2.46	0.36	1.06	1.54	-0.50	
MainStay MacKay High Yield Corp Bond Fund	1.80	1.68	1.68	9.56	3.00	4.40	4.48	4.61	1.31	03/01/2024
<i>ICE BofA US High Yield Index</i>		1.51	1.51	11.04	2.21	4.03	4.25	4.36	1.19	
Cash Equivalent	2.57	0.86	0.86	4.75	2.42	1.82	1.72	1.25	0.92	01/01/2008
<i>ICE BofA 3 Month U.S. T-Bill</i>		1.29	1.29	5.24	2.58	2.02	1.90	1.38	1.01	
First American Government Obligation - X	2.57	1.31	1.31	5.28	2.61	1.95	1.82	N/A	0.86	02/01/2024
<i>ICE BofA 3 Month U.S. T-Bill</i>		1.29	1.29	5.24	2.58	2.02	1.90	1.38	0.86	

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It is not possible to invest directly in an index. The index returns shown throughout this material do not represent the results of actual trading of investor assets. Third-party providers maintain the indices shown and calculate the index levels and performance shown or discussed. Index returns do not reflect payment of any sales charges or fees an investor would pay to purchase the securities they represent. The imposition of these fees and charges would cause investment performance to be lower than the performance shown.

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ADMINISTRATIVE REVIEW

- 1 Future contributions
- 2 Future disbursement requests/options
- 3 Client Feedback
- 4 Employer Portal – Available



EMPLOYER PORTAL

The Public Agency Retirement Services (PARS) employer portal for the IRC Section 115 Trust includes the following features:

- Latest monthly account balance
- Downloadable prior statements
- Transaction history
- Investment Performance

To access this powerful tool for account management, please provide:

- Opt-In Addendum
- Agency Personnel Designation Form

employer.pars.org

GASB COMPLIANCE

- **To assist our public agency clients with GASB compliance, PARS will be providing the following:**
 - An individual trust statement of each agency's plan assets that shows a reconciliation of assets held at the beginning of the fiscal year through the end of the fiscal year, breaking out the appropriate plan contributions, benefit payments, expenses, and investment earnings
 - Year-end audited financial statements of the Trust as a whole including Schedule of Changes in Fiduciary Net Position by Employer completed by CliftonLarsonAllen (CLA) that is intended to be compliant with GASB 67/68 and GASB 74/75 requirements.
 - Supporting SOC 1-Type 2 report on the controls over the calculation and allocation of additions and deductions to employer accounts within the Trust
 - Investment allocation data and information on investment policies including target asset allocations and allowable asset class allocation ranges
- PARS Auditors have determined that participating plans should be considered an agent multiple-employer defined benefit OPEB plan (agent OPEB plan) as defined under GASB

Disclaimer

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Public Agency Retirement Services (“PARS”) serves as the trust administrator to the Public Agencies Post-Employment Benefits Trust, Public Agencies Post-Retirement Health Care Plan Trust, and the Public Agency Retirement System Trust (the “Trusts”). U.S. Bank National Association (“U.S. Bank”) serves as the discretionary trustee to the Trusts. In its capacity as discretionary trustee, U.S. Bank delegates the investment management of the Trusts to PFM Asset Management LLC (“PFMAM”) through a sub-advisory agreement. PFMAM is an investment adviser registered with the U.S. Securities and Exchange Commission (“SEC”) and an indirect subsidiary of U.S. Bank.

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NOT FDIC INSURED : NO BANK GUARANTEE : MAY LOSE VALUE

Agenda Item

5.K.

Legal Counsel Review: Yes

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

SUBJECT: Executive Committee Bylaws Update

At the Executive Committee meeting held on November 13, 2024, members conducted a review of SOCWA's Executive Committee bylaws, resulting in several amendments. Key modifications included reducing the committee composition from four to three members, consisting of the Chair, Vice-Chair, and immediate past Chair. The revised bylaws clarify succession procedures, particularly addressing scenarios involving two Vice-Chairs or vacant positions. The quorum requirement was adjusted for the Engineering and Finance Committees, with actions requiring approval by two or more participating members.

Additional updates included revising the committee's duties to more clearly define their role in reviewing labor contracts and policies, as well as changing the regular meeting schedule from May/November to April/October to better align with the annual budget cycle. The amendments also refined language regarding the review process for the SOCWA Administrative Budget and personnel-related changes prior to the Board presentation. These revisions were reviewed by legal counsel and reflect the organization's commitment to streamlined governance while maintaining effective oversight of personnel matters.

Recommended Action: Staff recommends that the Board of Directors approve the updated Executive Committee Bylaws.

Attachments: Redlined version of the Executive Committee Bylaws

EXHIBIT A

BYLAWS OF THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA) EXECUTIVE COMMITTEE

The Executive Committee is an advisory committee formed by the Board of Directors of SOCWA to coordinate and oversee all personnel matters, with the support of the General Manager and SOCWA staff.

Section 1. Membership. The Executive Committee shall consist of ~~four—three~~ (34) representatives from the Board of Directors, composed of the following Directors:

- (1) The Chair;
- (2) the Vice-Chair; (3) the immediate past Chair; ~~and (4) one member from one of the following three SOCWA Member Agencies—South Coast Water District, Moulton Niguel Water District, Santa Margarita Water District. If there are two Vice-Chairs, then the two Vice-Chairs shall take priority on the Executive Committee over the immediate past Chair. If the immediate past Chair is no longer a member of the SOCWA Board or if a position on the Executive Committee is otherwise vacant, then the third member shall be—such member to be selected from among those water districts—by the Chair in his or her discretion. In the event that the representative for one of the first three (3) committee positions listed above is held by a representative from one of the three specified water districts, the Chair shall appoint any other Board of Director representative as the fourth Committee member.~~

Executive Committee members shall serve a term commencing from the date of appointment to the end of the fiscal year. Duly-appointed ~~AA~~Alternate Board members from the same Member Agency may substitute for the appointed committee member at any Executive Committee meeting in the appointed member's absence. Any such Alternate Director substituting for an appointed committee member shall be afforded all rights and be charged with all duties any Executive Committee member has pursuant to the Bylaws. **Each member is appointed as an individual and not as a representative of a specific Member Agency.**

Section 2. Community Procedures. The Chairman of the Executive Committee shall be the Chairman of SOCWA. ~~Two~~~~three~~ (23) Executive Committee members shall constitute a quorum for purposes of conducting business. Each member of the Executive Committee is entitled to one (1) vote. Any actions or matters voted upon by the Executive Committee must be approved two (2) or more by a majority of the members—participating, subject to the further requirements set forth below in Section 4.

Section 3.

Duties and Responsibilities. The Executive Committee shall have the following duties and responsibilities:

(a) — Annually review ~~agency salary schedule and classifications.~~

BAW&GA-77858.2

~~(b)(a)~~ Review agency personnel benefit program, labor contracts, policies, and programs.

~~(e)(b)~~ Enter into contract negotiations/performance review with the General

A-1

Manager.

~~(d)~~(c) Review ~~recommend~~ personnel related changes prior to presentation to the Board of Directors, as necessary.

~~(e)~~(d) Review matters regarding consolidation and/or reorganization.

~~(f)~~(e) Review the ~~SOCWA e-agency Management~~Administrative Budget ~~and recommend same for approval by the~~prior to presentation to the Board of Directors, as appropriate.

~~(g)~~(f) Other duties as delegated by the Board of Directors.

Section 4. Delegated Duties. In the event the Executive Committee is delegated any authority by the Board of Directors to make final determinations or take actions, all actions must be approved by unanimous consent of the ~~threefour~~ (34) Executive Committee Members.

Section 5. Meetings. The Executive Committee shall conduct regular meetings thereof on the second Tuesday in ~~April~~May and ~~October~~November of every year at 9:00 a.m., and special meetings may be called by the Chair of the Executive Committee, or the Secretary of SOCWA, on an as-needed basis. The meetings shall be held at the SOCWA Administration Office located at 34156 Del Obispo Street, Dana Point 92629.

Section 6. Public Meetings. All meetings of the Executive Committee shall be open to the public, except as provided by law and in accordance with the law.

Section 7. ~~Member's Fees~~Member's Fees. A member of the Executive Committee may receive compensation for attendance at meetings as established by the Board of Directors and in accordance with law.

Section 8.

BAW&G/177555.2

Amendment.

These

Bylaws may
be amended
from time to
time by the
Board of
Directors.

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Agenda Item

5.L.

Legal Counsel Review: Yes

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

SUBJECT: South Orange County Integrated Water Management Plan (IRWM) –
Special Appointment of Executive Committee Members

The Board of Directors will review and update the appointment for the representing SOCWA on the Orange County Integrated Water Management Plan (IRWM) Executive Committee. The South Orange County (IRWM) Plan has been developed from and coordinates with existing plans and research documents provided by the participating agencies in a manner that identifies and integrates regional projects to improve water supply, protect water quality, enhance the environment, and provide flood risk management.

The South Orange County IRWM Executive Committee is comprised of an elected official from each of the member organizations. The Executive Committee is tasked with overseeing the implementation of the goals in the IRWM Plan. This includes recommending to the County of Orange which South Orange County projects should receive grant funding from the various Statewide watershed initiatives.

The staff recommends appointing Amber Boone as the alternative representative.

Recommended Action: Staff recommends that the Board of Directors:

1. Appoint Amber Boone as the alternate representative on the South Orange County Integrated Water Management Plan (IRWM) Executive Committee, and
2. Rescind all previous alternate appointments to represent SOCWA on the South Orange County (IRWM) Executive Committee.

Agenda Item

5.M.

Legal Counsel Review: Yes

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Operational Contracts for MNWD to Operate RTP

Summary

As part of the transfer of the Regional Treatment Plant to MNWD, over 30 contracts need to be amended, assigned, canceled, or otherwise modified to allow for MNWD to operate and maintain RTP without a disruption in contracted services.

Here is a partial list of the contracts to be amended, assigned, or otherwise modified:

Vendor	Contracted Services	Contract Update/Change Needed
Synagro – South Kern	Biosolids Management – Composting	Assign contract to MNWD
Synagro – Nursery Products	Biosolids Management – Composting	Amend contract to add MNWD
Miles Chemical	Ferric Chloride – Odor Control	Amend and Assign contract to add MNWD
Olin	Bleach – Recycled Water Disinfection and Odor Control	Amend and Assign contract to add MNWD
Northstar	Caustic – Odor Control	Amend and Assign contract to add MNWD
Mariposa	Landscaping	MNWD to obtain new contract
Crown	Janitorial	MNWD to obtain new contract
Securitas	Security and Access Control	MNWD to obtain new contract
Various Open Purchase Orders and Blanket Open Purchase Orders	Various Services and Supplies	Amend contract to add or remove RTP and/or MNWD
Various Engineering Firms	CIP Design Services	Assign contract to MNWD

Fiscal Impact

None. The changes proposed for the contracts will not modify the financial terms or conditions within the contracted services agreements.

Recommended Action: Staff recommends that the Board of Directors authorize the Acting General Manager to amend, assign, cancel, or otherwise modify all active contracts SOCWA uses to operate and maintain RTP in a form to be approved by General Counsel in order to allow MNWD to operate and maintain RTP without disruption.

Agenda Item

5.N.

Budgeted: Yes

Budget amount: \$592,000 Small Cap

Line Item: 15-1580-00-01-00 (2524-046)

Legal Counsel Review: No

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Replacement Grinding Pumps [Project Committee 15]

Summary

This agenda item provides a recommendation for awarding a small capital project to purchase two grinding pumps for CTP. The total cost for the equipment is \$52,014.00 plus supplemental taxes, shipping, and fees to be determined at the time of shipping.

Discussion/Analysis

SOCWA needs to replace grinding pumps that were placed in service in 2014. JWC Environmental, Inc. is the sole distributor of Muffin Monster pumps in California.

Thus, JWC Environmental, Inc. is the only vendor available to SOCWA to purchase the pumps.

Fiscal Impact

This capital purchase is located in the liquids area of CTP. Therefore, the costs will be allocated using the liquids ownership allocations for CTP. The following are the cost allocations for the project:

Agency	Cap. Ownership(1)	Allocation
CLB	37.31%	\$19,718.51
EBSD	59.70%	\$1,555.22
SCWD	2.99%	\$15,526.18
Total	100.00%	\$52,014.00

(1) Per the 11-19-2024 version of the draft transfer agreements.

The actual shipping costs, fees, and additional tax will be added to the expenses allocated using the liquids ownership percentages shown above when the invoice is received.

Recommended Action: Staff recommends that the PC 15 Board of Directors authorize the Acting General Manager to purchase replacement grinder pumps for the CTP from JWC Environmental, Inc. at the cost of \$52,014.00, plus supplemental taxes, shipping and fees to be determined at the time of shipping.

Agenda Item

5.0.

Budgeted: Yes

Budget amount: \$135,800

Line Item: PC 2, 15 & 17 Lines 5012

Legal Counsel Review: No

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Contract Extension Award to Athens Services for Grit Hauling and Disposal Services [Project Committees 2, 15, and 17]

Summary

This is the final contract renewal for grit hauling and disposal services contract. This service is necessary to remove and dispose of the grit and screenings (trash and debris) collected by each Treatment Plant's influent screens that protect the downstream equipment within the Treatment Plants.

SOCWA staff requests the Board approve a 1-year contract extension with Athens Services to continue grit hauling and disposal services. These services are for SOCWA and its member agencies that operate similar facilities. The proposed fees for the SOCWA facilities are shown below. These fees do not include taxes and surcharges for single bin deliveries that are determined when services are rendered.

Facility	Transportation Cost Per Trip (double bin)		
	Current Fees	Proposed Fees	% Increase
SOCWA Regional Treatment Plant	\$1,071.20	\$1,125.05	5.03%
SOCWA JBL Treatment Plant	\$1,099.09	\$1,154.34	5.03%
SOCWA Coastal Treatment Plant	\$1,009.63	\$1,060.38	5.03%
SMWD Chiquita WRF	\$1,009.63	\$1,060.38	5.03%
ETWD WWTP	\$967.85	\$1,016.50	5.03%
IRWD LAWRP	\$1,124.44	\$1,180.96	5.03%
CSC WRP	\$1,118.44	\$1,174.66	5.03%

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Discussion/Analysis

The proposed increase from Athens Services for this 1-year extension is 5.03% over the current contract pricing. The primary drivers for the proposed increases are due to driver labor cost increases. Staff budgeted for this service a line item increase to the costs of 3% for this fiscal year; the increase impact on the overall Budget will be evaluated later in the Fiscal Year.

Prior Related Project Committee or Board Action(s)

None

Fiscal Impact

The impact on each of the three Project Committees will be a 5.03% increase over last year's grit hauling expenses or \$5,269.06. The increase by PC and member agency is presented below:

Estimated Service Utilization Increase Costs by PC (a)

PC	Est. Trips per Year	Inc. Trip Cost	Total Est. Annual Inc.
2	34	\$55.25	\$1,878.50
15	19	\$50.75	\$964.25
17	23	\$53.85	\$1,238.55
Totals	76		\$4,081.30

(a) Does not include tip fees charged by Waste Management at Simi Valley Landfill.

PC2 O&M Liquids Est. Annual Grit Hauling Allocation

Agency	Budget Allocation %(1)	FY23-24 Est. Expenses	Est. Annual Cost Increase	FY24-25 Est. Expenses	% Est. Annual Inc. by Agency
SMWD	57.17%	\$21,363.89	\$1,073.94	\$22,437.83	5.03%
MNWD	19.08%	\$7,130.02	\$358.42	\$7,488.43	5.03%
SCWD	23.75%	\$8,875.15	\$446.14	\$9,321.30	5.03%
Total	100.00%	\$37,369.06	\$1,878.50	\$39,247.56	5.03%

(1) FY2024-25 Budget Book

PC15 O&M Liquids Est. Annual Grit Hauling Allocation

Agency	Budget Allocation %(1)	FY23-24 Est. Expenses	Est. Annual Cost Increase	FY24-25 Est. Expenses	% Est. Annual Inc. by Agency
CLB	56.62%	\$10,861.40	\$545.96	\$11,407.36	5.03%
EBSD	2.24%	\$429.70	\$21.60	\$451.30	5.03%
MNWD	0.00%	\$0.00	\$0.00	\$0.00	NA
SCWD	41.14%	\$7,891.87	\$396.69	\$8,288.57	5.03%
Total	100.00%	\$19,182.97	\$964.25	\$20,147.22	5.03%

(1) FY2024-25 Budget Book

PC17 O&M Liquids Est. Annual Grit Hauling Allocation

Agency	Budget Allocation %(1)	FY23-24 Est. Expenses	Est. Annual Cost Increase	FY24-25 Est. Expenses	% Est. Annual Inc. by Agency
CLB	0.2040%	\$50.26	\$2.53	\$52.79	5.03%
EBSD	0.0087%	\$2.14	\$0.11	\$2.25	5.03%
ETWD	0.2494%	\$61.45	\$3.09	\$64.54	5.03%
MNWD	99.3714%	\$24,482.73	\$1,230.76	\$25,713.49	5.03%
SCWD	0.1665%	\$41.02	\$2.06	\$43.08	5.03%
Total	100.0000%	\$24,637.60	\$1,238.55	\$25,876.15	5.03%

(1) FY2024-25 Budget Book

SOCWA Agencies Estimated Annual Grit Hauling Totals For All PC's

Agency	FY23-24 Est. Expenses	Est. Annual Cost Increase	FY24-25 Est. Expenses	% Est. Annual Inc. by Agency
CLB	\$10,911.66	\$548.48	\$11,460.14	5.03%
SMWD	\$21,363.89	\$1,073.94	\$22,437.83	5.03%
EBSD	\$431.84	\$21.71	\$453.55	5.03%
ETWD	\$61.45	\$3.09	\$64.54	5.03%
MNWD	\$31,612.74	\$1,589.18	\$33,201.93	5.03%
SCWD	\$16,808.05	\$844.90	\$17,652.95	5.03%
Total	\$81,189.63	\$4,081.30	\$85,270.93	5.03%

Recommended Action: Staff recommends the award of a 1-year contract extension to Athens Services for Grit Hauling and Disposal Services at the following rates, plus taxes and surcharges for single bin deliveries that are determined when services are rendered:

Facility	Transportation Cost Per Trip (double bin)
	Proposed Fees
SOCWA Regional Treatment Plant	\$1,125.05
SOCWA JBL Treatment Plant	\$1,154.34
SOCWA Coastal Treatment Plant	\$1,060.38
SMWD Chiquita WRF	\$1,060.38
ETWD WWTP	\$1,016.50
IRWD LAW RP	\$1,180.96
CSC WRP	\$1,174.66

Agenda Item

5.P.

Legal Counsel Review: Yes

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Jim Burror, Director of Operations

SUBJECT: Updated Uniform Purchasing Policy

Summary

SOCWA's current Uniform Purchasing Policy and Procedures (UPPP) was last comprehensively updated on March 3, 2022. Staff conducted a thorough review of the current policy alongside benchmarking against similar agencies to identify opportunities for modernization, clarity, and administrative efficiency. The proposed update streamlines the policy while maintaining robust controls and oversight while maintaining compliance requirements with underlying statutes.

Discussion/Analysis

The proposed update to SOCWA's Uniform Purchasing Policy represents a comprehensive modernization of our procurement framework, carefully designed to enhance operational effectiveness while strengthening oversight controls. Staff and legal review have identified strategic improvements in three key areas:

Policy Modernization

The modernization initiative creates a more adaptable procurement framework by establishing a clear separation between high-level policy directives and detailed procedural guidelines while maintaining compliance with the governing statutes. This structural improvement allows for more responsive updates to operational procedures without requiring full policy revisions. The revised policy incorporates established industry best practices, ensuring SOCWA maintains consistency with public agency procurement standards.

Administrative Efficiency

To streamline operations while maintaining appropriate controls, we propose adjusting the General Manager's approval authority from \$50,000 to \$100,000. This revision aligns with regional peer agencies and accounts for current market conditions. The policy introduces simplified procurement thresholds and methods, reducing administrative complexity while preserving necessary oversight. Staff has provided a clear delineation of roles and responsibilities across all procurement functions, enhancing accountability and process flow.

Enhanced Controls

The revised policy strengthens SOCWA's commitment to ethical procurement practices through enhanced conflict of interest provisions and clearer ethical guidelines. Staff has suggested implementation of new compliance monitoring requirements to the Board for procurements above \$25,000 to ensure consistent policy adherence across all departments. Documentation standards have been improved to support better audit trails and process transparency. The update also includes refined emergency procurement provisions that balance urgent operational needs with appropriate oversight controls.

Key Changes Table:			
Area	Current Policy	Proposed Update	Rationale
GM Authority	\$50,000	\$100,000	Align with regional agencies, account for inflation
Policy Structure	Combined policy/procedures	Policy with separate procedures	Improve clarity and flexibility
Procurement Methods	Various thresholds	Simplified three-tier approach	Streamline operations

Benchmarking Results:

- Orange County Sanitation District: \$150,000 GM Authority
- Encina Wastewater Authority: \$100,000 GM Authority
- County of Orange: \$100,000 department authority
- Industry average for similar agencies: \$75,000-\$100,000

Advisory Committee Review

The SOCWA Executive Committee met on November 13, 2024, and requested a draft policy be provided to the SOCWA Board for review and consideration.

Fiscal Impact

The proposed policy updates are expected to reduce administrative costs through streamlined procurement processes, reduced processing time, improved electronic workflows, and more efficient contract administration.

No direct budget impact is anticipated from the policy changes. The updated approval thresholds align with existing budget controls and Board oversight requirements.

Recommendation: Staff recommends that the SOCWA Board of Directors approve the Uniform Purchasing Policy.

Attachment(s): Draft Uniform Purchasing Policy

SOCWA Uniform Purchasing Policy

Contents

Article 1. General Provisions

- 1.1 Purpose and Authority
- 1.2 Scope
- 1.3 Rules and Guidelines
- 1.4 Budgeted Funds
- 1.5 Definitions
- 1.6 Board Approval Requirements

Article 2. Methods of Procurement

- 2.1 General Requirements
- 2.2 Competitive Solicitations
- 2.3 Exceptions to Competition

Article 3. Goods, Non-Professional Services, Professional Services, and Public Works Contracts

- 3.1 Goods, Non-Professional Services, Professional Services, and Public Works Contracts

Article 4. Delegation of Authority to Award Contracts

- 4.1 Delegation by General Manager
- 4.2 Original Contracts, Contingencies and Renewals
- 4.3 Amendments, Change Orders, Renewals, Time extensions, and Assignments
- 4.4 Contingency Release

Article 5. Ethics and Standards of Conduct

Article 6. Definitions

SOCWA Uniform Purchasing Policy

Article 1. General Provisions

1.1 Purpose and Authority

The purpose of this Policy is to establish uniform processes for acquiring Services, supplies, materials, equipment, and capital improvements for the South Orange County Wastewater Authority (SOCWA), in accordance with Government Code Section 54201 et seq and the California Water District Law (Water Code 34000 *et seq.*). This Policy ensures purchases are accomplished in a manner providing maximum benefit and cost efficiency for SOCWA's Member Agencies, ensures that purchasing decisions are transparent to the public, ensures that contracts are awarded through a process that is fair to prospective Contractors, and in the best interest of SOCWA.

1.2 Scope

This Policy applies to all Procurement activities conducted by SOCWA unless specifically exempted. The General Manager shall establish administrative procedures necessary for the proper functioning of SOCWA purchasing operations in an efficient, transparent, and economical manner. SOCWA shall procure the supplies, Services, and equipment needed by SOCWA at the lowest possible cost, taking into consideration quality, service levels, and time constraints. Appropriate financial controls shall be exercised over all Procurements. Cooperative purchasing with other public agencies shall be performed whenever such purchases are feasible and in the best interest of SOCWA.

1.3 Rules and Guidelines

The General Manager shall implement the requirements of this Policy through the guidelines governing the purchase of Goods and Services, and the award of contracts for Public Works Projects.

The applicable rules and guidelines are as follows:

- A. SOCWA shall comply with applicable laws on all purchases and contracts.
- B. SOCWA shall procure the supplies, Services, and equipment needed by SOCWA at the lowest possible cost, taking into consideration quality, service levels, and time constraints.
- C. Appropriate internal financial controls shall be exercised over all Procurements.
- D. Cooperative purchasing with other public agencies shall be performed whenever such purchases are feasible and in the best interest of SOCWA.
- E. The General Manager shall determine appropriate insurance requirements in consultation with the originating department head and risk management advisors, and with the advice and concurrence of the SOCWA General Counsel. A Certificate of Insurance, required endorsements, and other documents conforming to such requirements, and any applicable insurance industry standards, must be on file before Goods are delivered or Services are provided.
- F. In an Emergency, the General Manager is authorized to waive any provision of this Policy. Any waiver authorized hereunder shall be documented as required by this Policy and, to the extent practicable, otherwise cured so as to conform to this Policy within sixty (60) days of the Procurement or the end of the fiscal year, whichever is earlier.
- G. The General Manager shall execute and maintain administrative procedures to implement this, Policy.
- H. SOCWA shall not discriminate against any person or entity because of race, sex, color, ethnicity, religion, national origin, gender, disability status, or other category protected under applicable law, and shall place a nondiscrimination statement in all Procurement-related solicitations or advertisements.
- I. The General Manager may, at his/her discretion, delegate duties under this Policy.
- J. The Board of Directors may, at its sole discretion, waive all or part of this Policy.

SOCWA Uniform Purchasing Policy

- K. The General Manager is authorized to approve and sign on behalf of SOCWA all contracts that are \$100,000 or less per agreement year, not to exceed a five-year agreement term. The General Manager is authorized to sign on behalf of SOCWA all contracts that are more than \$100,000 per agreement year where the contract award has been approved by the Board of Directors.
- L. Serial Purchases and/or Serial Purchase Orders will not be used to procure Goods and Services in a manner that would otherwise avoid exceeding a spending authorization within this Policy.

1.4 Budgeted Funds

No contract for the purchase of Goods, Services, or Public Works Projects shall be awarded unless and until the General Manager identifies funds in the current budget that can be appropriately allocated for the purchase.

1.5 Definitions

As used throughout this Policy, the terms set forth in Article 6 shall have the meanings as defined therein, unless the context in which they are used clearly requires a different meaning, or a different definition is prescribed for a particular Article or provision.

1.6 Board Approval Requirements

Board approval is required for any contracts that exceed \$100,000 per year, including multi-year agreements where the total value of the agreement surpasses this threshold. This also applies to sole source contracts with annual values above \$100,000. Additionally, any contract Amendments that would push total compensation beyond the original approval limits must go to the Board. The Board must also review Policy exceptions not otherwise delegated to the General Manager, as well as any unbudgeted capital assets valued over \$100,000.

Article 2. Methods of Procurement

Purpose: This article establishes SOCWA's framework for conducting Procurements in a fair, transparent, and efficient manner. This article outlines when and how different Procurement methods should be used while ensuring appropriate oversight and documentation.

2.1 General Requirements

The general requirements section outlines SOCWA's fundamental approach to Procurement, establishing a framework that promotes transparency while ensuring efficient operations.

- A. Competition: All Procurements shall be conducted to promote open and fair competition.
- B. Solicitation Methods:
 - a. Up to \$25,000: One written quote
 - b. \$25,001 to \$100,000: Minimum three written quotes
 - c. Over \$100,000: Formal competitive solicitation
- C. Solicitation Types:
 - a. Invitation for Bids (IFB)
 - b. Request for Qualifications (RFQL)
 - c. Request for Quotes (RFQ)
 - d. Request for Proposals (RFP)
 - e. Cooperative Purchasing
 - f. Emergency Procurement
 - g. Sole Source Procurement

SOCWA Uniform Purchasing Policy

2.2 Competitive Solicitations

Competitive solicitations establish standardized methods for obtaining Goods and Services while ensuring transparent and fair competition. This critical Policy component guides how SOCWA engages with Contractors. All competitive solicitations shall clearly state requirements and evaluation criteria, provide adequate response time, include standard terms and conditions, be publicly advertised as appropriate, and document the selection process and decisions. The following competitive solicitation processes utilized by SOCWA are outlined below.

- A. Invitation for Bids (IFB)
 - a. Used when requirements can be clearly specified.
 - b. Award to lowest responsive and Responsible Bidder.
 - c. Non-negotiation of price or terms
- B. Request for Qualifications (RFQL)
 - a. Evaluates qualifications and expertise before considering price.
 - b. Used for engineering, architectural, and specialized consulting.
 - c. Selects firms based on proven competence and qualifications.
 - d. Enables price negotiation with top-qualified firm.
 - e. Matches provider expertise with project requirements.
- C. Requests for Quotes (RFQ)
 - a. Used for small to moderate purchases requiring written documentation of competitive pricing.
 - b. Applies to purchases up to \$100,000 with clearly defined requirements.
 - c. Evaluation based on lowest responsive price from qualified Contractor.
- D. Request for Proposals (RFP)
 - a. Used for complex requirements or when factors beyond price are important.
 - b. Allows negotiation of terms and conditions.
 - c. Award based on Best Value considering all factors.
- E. Cooperative Purchasing
 - a. Utilizes contracts competitively bid by other public agencies, saving time and costs.
 - b. Validates pricing, terms, and scope meet SOCWA requirements.
 - c. Requires documented analysis showing cost-effectiveness and operational benefit.
 - d. May include state contracts, regional agreements, and joint powers agreements.

2.4 Exceptions to Competition

Depending on the nature of the Contract and/or the circumstances, certain provisions of this Policy require that Contracts for Goods and/or Services be awarded based on Competitive Sealed Bids or Competitive Sealed Proposals. This Section establishes certain general exceptions to competitive selection requirements for the Procurement of Goods and Services. The exceptions set forth in this Section do not apply to the award of Contracts for the construction of Public Works Projects.

- A. Emergency Procurement
 - a. Permitted when immediate action required.
 - b. Must document justification.
 - c. Limited to addressing the Emergency.
 - d. Requires General Manager approval.
 - e. Board notification if over \$100,000.
- B. Sole Source
 - a. Permitted only when clearly justified and/or when no competitive advantage can be gained by opening the selection to public bidding.
 - b. Must document market research and sole-source basis.
 - c. Requires GM approval up to \$100,000.
 - d. Board approval over \$100,000.
 - e. Annual review of ongoing sole-source contracts.

SOCWA Uniform Purchasing Policy

B. Prequalification

- a. The General Manager may establish a process for prequalifying prospective bidders for Public Works Projects in a manner consistent with Public Contract Code Section 20101 on a quarterly basis. A prequalification pursuant to this process shall be valid for one calendar year following the date of initial prequalification.
- b. If such a process is established, the General Manager shall concurrently establish a process that will allow prospective bidders to dispute their proposed prequalification rating prior to the closing time for receipt of bids. This process must comply with Public Contract Code Section 20101(c).

Article 3. Goods, Non-Professional Services, Professional Services, and Public Works Contracts

Purpose: California Government Code Sections 54202 et seq. requires SOCWA to adopt written policies and procedures, including bidding requirements, governing the purchase of Goods, Non-Professional Services, Professional Services, and Public Works Contracts. This article is intended to comply with California Government Code Section 54202.

3.1 Goods, Non-Professional Services, Professional Services, and Public Works Contracts

- A. Open Market Procedures for Goods, Services other than Professional Services, Public Works Projects (\$25,000 or less), and Professional Services (\$100,000 or less)

The initiating department head shall make reasonable efforts to secure Goods of suitable quality, or in the case of Services the best qualified provider at the lowest possible cost.

- B. Informal Procedures for Goods, Services other than Professional Services, and Public Works Projects (\$25,000.01 to \$100,000)

The following defines SOCWA's process for procuring Goods or services between \$25,000.01 and \$100,000.00:

- a. Minimum Requirements for Goods. To Procure Goods anticipated to fall in this price range, the initiating department shall make best efforts to solicit at least three (3) possible suppliers, if practicable, for quotes to supply the Goods required. Staff will evaluate the responses received to determine either (a) the lowest responsive and responsible quote that meets or exceeds the needs outlined in the solicitation, or (b), the quote that provides the Best Value to SOCWA in response to the Specifications, as applicable, and shall make a recommendation to the General Manager in this regard.
- b. Minimum Requirements for Services and Public Works Projects. In order to Procure Services or public work anticipated to fall in this price range, the initiating department shall develop a Request for Quote which clearly sets forth the scope of Services required. The Request for Quote shall include, as a minimum:
 - i. An appropriate, detailed Specification considering the value, timeframe, and technical complexity of the Services or public works project to be rendered;
 - ii. The date and time by which SOCWA must receive the quote;
 - iii. The criteria upon which quotes shall be evaluated and the contract shall be awarded (lowest responsive and responsible quote vs. Best Value).
 1. Request for Quote Distribution and Evaluation. Unless impracticable, SOCWA shall distribute the Request for Quote to at least three (3) Contractors, as applicable. Staff will evaluate the responses received to determine either (a) the lowest responsive and responsible quote that meets or exceeds the Request for Quote Specifications, or (b), the quote that provides the Best Value to SOCWA in response to the Request for

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Quote Specifications, as applicable, and shall make a recommendation to the General Manager in this regard.

2. Quote Documentation. Staff will document the quotes received and the results of the evaluation. If less than three (3) quotes were received and evaluated, a brief explanatory statement will be provided.
 - c. Award. Procurements shall be awarded to the lowest responsive and Responsible Bidder, or to the bid the provides the Best Value to SOCWA, as applicable.
 - d. Post Award Action. Following award of the Procurement, the SOCWA General Manager shall take the following actions to ensure transparency in awarding of contracts:
 - i. Provide contract activity in the General Manager's Board report.
 - ii. Include summaries of any applicable Emergency procurement activity.
 - e. Delegation of Authority to Award. For the purchase of Services, Public Works Projects, or Goods or materials, the General Manager may delegate the authority to award Procurements by administrative procedure specifically identifying such delegates and the dollar limit of each delegate's authority.
 - f. Nothing in this Policy shall prohibit staff from utilizing a formal bid process if deemed to be in the best interest of SOCWA. If a formal bid process is elected, the procedures in Article 3, Sections C or D shall be followed.
- C. Formal Procurements: Goods, Services other than Professional Services, and Public Works Projects (\$100,000.01 and over)
- 1.1. Formal Request for Sealed Bids (RFB). The initiating department head shall submit for the General Manager's review and approval an RFB that includes the following:
 - A statement requiring the submission of sealed bids (or confidential bids, if electronically submitted via Planet Bids).
 - A statement of the time and date by which SOCWA must receive bids.
 - A statement that the sealed bids shall be publicly opened in public (or publicly revealed, if electronically submitted via Planet Bids).
 - A statement that a tabulation of all bids received shall be made and be open for public inspection during regular business hours for a period of not less than thirty calendar days after the bid opening.
 - Where necessary to promote the best interests of SOCWA, the Formal RFB shall include a requirement that bidders post Bidder's Security. The requirement shall also set forth the procedures for retention and return of Bidder's Security submitted to SOCWA.
 - 1.2. Supplemental Documents: Formal RFB. Along with the RFB, the initiating department head shall submit for the General Manager's review and approval the following Supplemental Documents:
 - A draft public notice, suitable for publication, containing all information required by this Policy, applicable administrative procedures or by the General Manager; and,
 - 1.3. Approval Prior to Publication. No publication of public notice inviting bids in response to a RFB shall be made unless the General Manager has approved the Formal RFB and Supplemental Documents as communicated by written authorization to the initiating department head to solicit bids.
 - 1.4. Public Notice. Public notice inviting bids in response to a RFB must be published in a publicly accessible electronic plan room and/or newspaper of general circulation at least ten (10) days prior to the bid opening date.

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- 1.5. Bid Opening. All bids are publicly opened and the lowest responsive and responsible bid, or, the Best Value bid, as applicable, commensurate with acceptable bidder (as described in the notice) shall be identified. All portions of the bids and bid information shall be public unless otherwise provided in the bid Specifications.
- 1.6. Award. All bid Procurements shall be awarded to the lowest responsive and Responsible Bidder unless additional or alternative criteria for award are specified. (e.g. Best Value, quality, compatibility, life cycle cost, etc.)
- 1.7. Post Award Action. Following award of the Procurement, SOCWA shall take the following actions:
 - The initiating department shall notify all bidders of the result in writing and issue a written Notice to Proceed to the successful bidder consistent with the contract documents; and,
 - The initiating department head or their designated Project Manager, working in consultation with the Director of Finance, or appointed designee, shall establish a Contract File that contains the RFB, bid documentation per Section C.1.1 and C.1.2 of this Policy, documentation of award per Section C.1.6 of this Policy, signed contract, Notice to Proceed and any additional documents.

D. Formal Procurements: Professional Services (\$100,000.01 and over)

- a. Formal Request for Proposals or Request for Qualifications (RFP or RFQ). The initiating department head shall submit for the General Manager's review and approval an RFP or RFQ that includes the following items:
 - An overview of SOCWA;
 - A statement describing the reasons SOCWA is soliciting proposals;
 - A detailed Scope of Work itemizing the Professional Services required;
 - A statement that sealed proposals shall be submitted;
 - A statement of the time and date by which SOCWA must receive sealed proposals; and,
 - A statement preliminarily guiding the establishment of criteria upon which proposals shall be evaluated and the contract shall be awarded.
- b. Supplemental Documents: Formal RFP or RFQ. Along with the RFP or RFQ, the initiating department head shall submit for the General Manager's review and approval a draft public notice, suitable for publication, containing all information required by this Policy, applicable administrative procedures or the General Manager.
- c. Approval Prior to Publication. No publication of public notice inviting proposals in response to an RFP shall be made unless the General Manager has approved the Formal RFP and Supplemental Documents as communicated by written authorization to the initiating department head to solicit proposals.
- d. Public Notice. Public notice inviting proposals in response to an RFP must be published in a publicly accessible electronic plan room and/or in a newspaper of general circulation at least ten (10) days prior to the proposal due date.
- e. Proposal Evaluation. Pursuant to the criteria established for that RFP and any additional criteria necessary and appropriate to advance the best interests of SOCWA, the General Manager shall review each proposal and determine an ordinal ranking including each proposing firm.
- f. Negotiation. The General Manager shall negotiate with the top ranked firm. If a fair price cannot be reached with the top ranked firm; that firm shall be eliminated from consideration and negotiations shall be initiated with the next highest ranked firm.
- g. Award. Procurements shall be awarded based on the Best Value to SOCWA.

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- h. Post Award Action. Following award of the Procurement, SOCWA shall take the following actions:
- The initiating department director shall notify all proposers of the result in writing and issue a written Notice to Proceed to the successful firm consistent with the contract documents; and,
 - The initiating department head or their designated Project Manager, working in consultation with the Director of Finance shall establish a Contract File that contains the RFP, bid documentation per Section 9.1 and 9.2 of this Policy, documentation of award per Section 9.7 of this Policy, signed contract, Notice to Proceed and any additional documents prescribed by administrative procedure.
- i. Design-Build. Nothing in this Policy shall preclude SOCWA from utilizing a design-build method for project delivery pursuant to Public Contract Code Section 22160 *et seq.* If the General Manager wishes to recommend a design-build project, the Procurement process for the design-build project shall follow Public Contract Code Section 22164 and related sections.

Article 4. Delegation of Authority to Award Contracts

Purpose: This Article applies to all Contracts for Goods, Services, and Public Works Projects entered by SOCWA and articulates awarding authorization.

4.1 Delegation by General Manager

The General Manager shall establish written procedures governing the delegation of authority to award and execute Contracts, Amendments, Change Orders, Renewals, Time Extensions and Assignments consistent with this Policy. Upon delegation of authority by the General Manager each Department Director or Manager may further delegate authority to initiate a written Requisition consistent with the General Manager's written procedures.

4.2 Original Contracts, Contingencies and Renewals

The Board of Directors hereby delegates to the General Manager the authority to award Contracts within specified limits as follows:

- a. Contracts up to \$100,000 per agreement year.
- b. Change orders within approved limits.
- c. Emergency Procurements.
- d. Use of cooperative purchasing agreements.
- e. Administrative procedures implementing this Policy.

4.3 Amendments, Change Orders, Renewals, Time extensions, and Assignments

The Board of Directors hereby delegates to the General Manager the authority to approve Amendments, Change Orders, Renewals, Time Extensions and Assignments in any amount as follows:

- a. Authorization to approve and execute Amendments and Change Orders as long as the Amendment or Change Order is recommended by the applicable Department Director, and a) the Amendment or Change Order does not change the contract price or the new contract price is within the delegated authority, b) does not exceed 25% of the original contract, or c) the Amendment or Change Order is within the approved contingency and Board approved spending authority of the General Manager.
- b. Authorization to approve and execute any Renewals that were originally approved by the General Manager, Standing Committee and/or Board of Directors.

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- c. Authorization to approve and execute Amendments and Change Orders for Contract Time Extensions a) without any increase in Contract price; b) requires Board approval if beyond 5 years, or c) with an increase in Contract price within the approved Contingency originally approved by the General Manager, Standing Committee and/or Board of Directors.
- d. Authorization to approve and execute all Assignments unless determined by the General Manager that the Assignment contains material changes and requires approval of the Board.
- e. Authorization to approve and execute Amendments to chemical Contracts unless the Amendment causes an increase to the Contract unit price beyond the unit price contingency approved by the SOCWA Board,
- f. Authorization to approve and execute chemical contract renewals including changes to the unit price, and/or increases or decreases to the annual/or specified term amount. Increases that cause the contract amount to exceed the General Manager's delegated authority shall be approved by the SOCWA Board.

4.4 Contingency Release

The General Manager shall manage the release of all contingency funds for use in all Amendments and change orders within the approved contingency amounts.

Article 5. Ethics and Standards of Conduct

- A. Public employment is a public trust. SOCWA employees must discharge their duties impartially to ensure fair, competitive access to Procurement opportunities.
- B. SOCWA employees shall not make any Contracts, participate in the making of any Contracts, or in any way attempt to use their official positions to influence any decision on any Contracts, in violation of Government Code Sections 87100 et seq.
- C. SOCWA employees shall not make any Contract, participate in the making of any Contract, or in any way attempt to use his or her official position to influence any decision on a Contract, in violation of California Government Code Section 1090.
- D. No employee shall participate in Procurement when they have a financial or personal interest in the contract, Contractor.
- E. Employees shall:
 - a. Conduct business in good faith.
 - b. Maintain strict confidentiality of proprietary information.
 - c. Avoid conflicts of interest.
 - d. Report ethical concerns to appropriate authorities.
 - e. Never accept gifts or favors from current or potential Contractor.

Article 6. Definitions

Amendment: A properly executed written agreement entered into and between SOCWA and the Contractor, or issued by SOCWA, covering modifications to the original contract and which may result in adjustments to provisions of the contract, including, but not limited to terms, Scope of Work, compensation, and/or period of performance.

Assignment: The assignment of a contract and related records to reflect changes such as the sale, transfer, or reorganization of a Contractor's business, or a change in the entity's business name, as long as all terms and conditions of the original contract remains the same.

Awarding Authority: The person or body with legal authority to execute contracts on behalf of SOCWA. The General Manager is the awarding authority for contracts that are \$100,000 or less per agreement year, not to exceed a five-year agreement term. The Board of Directors is the awarding authority for contracts exceeding these limits.

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Best Value: The optimal combination of price, quality, service and other factors as determined by established evaluation criteria.

Bid, contract or proposal documents: The documents, including their attachments and addenda, which set forth instructions to bidders or proposers and which are disseminated for the purpose of soliciting bids or proposals.

Bond: A form of insurance provided by the Contractor that assures that funds are available to reimburse SOCWA for damages incurred should the Contractor refuse or fail to execute a contract based on the Contractor's proposal or bid, pay workers properly or complete the contracted work. Examples include, but are not limited to, a bid bond, labor and materials bond, or performance bond.

Contract: An agreement between SOCWA and one or more parties for Goods, Services, Professional Services, Public Works Projects or other Procurement activities.

Contractor. Any vendor, consultant, contractor or business entity/party that has entered into a contract with SOCWA for the provision/disposition of Goods, Services, Professional Services, and/or Public Works Projects.

Emergency: A sudden, unexpected occurrence posing clear and imminent danger, requiring immediate action to prevent or mitigate loss or impairment of life, health, property, or essential public Services.

Goods. An item moveable at the time of sale including, but not limited to, equipment, materials or supplies; electricity, natural gas, and, water.

Procurement or Procure. The acquisition of goods, Services, Professional Services, or Public Works Projects by SOCWA, including, but not limited to, purchasing, renting or leasing, and all functions and procedures pertaining to such acquisitions.

Professional Services. Services that involve the exercise of professional discretion and independent judgement based on advanced specialized knowledge, expertise or training gained by formal study or experience. Selection shall be on the basis of demonstrated competence and on the professional qualifications necessary for the satisfactory performance of the services required. Services do not include the physical work involved with Public Works Projects. Professional Services includes, but is not limited to, engineering services, architectural services, environmental services, public information services, construction project management services, surveying services, financial and benefit services, strategic planning services and legal services. Other similar services would also be part of this category.

Public Works Projects. Means construction, reconstruction, erection, alteration, renovation, improvement, demolition, and repair work involving an SOCWA owned, leased, or operated facility, as well as painting or repainting of any SOCWA owned, leased, or operated facility. Public Works Projects do not include maintenance work, although such work may be subject to prevailing wage and related requirements under the California Labor Code.

Responsible Bidder or Proposer. A bidder or proposer determined by SOCWA:

1. To have the ability, capacity, experience and skill to pervade the Goods, services, Professional Services, and/or Public Works Projects in accordance with bid Specifications, and if applicable;
2. To have the ability to provide the Goods, services, Professional Services, and/or Public Works Projects promptly, or within the time specified, and if applicable;
3. To have the equipment, facilities and resources of such capacity and location to enable the bidder or proposer to provide the required good, services, Professional Services, and/or Public Works Projects, and if applicable;
4. To be able to provide future maintenance, repair, parts and service for the use of the Goods and/or Public Works Projects purchased, and if applicable;

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5. To have a record of satisfactory performance under prior contracts with SOCWA or other purchasers where such bidder or proposer has previously been awarded such contract.

Responsive Bidder or Proposer. A bidder or proposer determined by SOCWA to have submitted a completed bid or proposal which conforms in all material respects to the requirements of the bid, contract, or other proposal documents.

Scope of Work. A description of services required by SOCWA that a proposer must demonstrate the capability to provide as a prerequisite to SOCWA's consideration of their bid or proposal.

Sealed Bids. A bid submitted in a sealed envelope to prevent disclosure of its content prior to public opening.

Services. The work performed, or labor, time and effort expended, by the Contractor. Services include, all Procurements not classified as Goods, Professional Services, or Public Works Projects and include, but are not limited to services for rentals, inspection, maintenance, and repair.

Sole Source Procurement. Procurement when the Goods and/or services are obtainable from only one Contractor due to unique circumstances or otherwise as described in this Policy.

Specification. A description of the physical and/or functional characteristics or of the nature of the required Goods, services, Professional Services, and/or Public Works Projects required by SOCWA that a bidder must satisfy precisely or through functional equivalency as a prerequisite to SOCWA's consideration of their bid.

Agenda Item

5.Q

Legal Counsel Review: No

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

SUBJECT: CalPERS Compensation Compliance Update

To comply with CalPERS compensation requirements, the SOCWA Board must approve publicly available salary schedules. An updated salary schedule is included in this staff report to comply with the CalPERS requirements.

Discussion and Analysis

CalPERS conducted a Compensation Compliance Review of previous Acting General Manager Jim Burror's published pay rate. The review identified compensation that does not comply with the applicable statutes under the California Public Employees' Retirement Law (PERL). Pursuant to Government Code Section 20636, compensation earnable is defined as the payrate and special compensation of a member and further defined by the California Code of Regulations. To remedy this finding, staff updated the Exhibit "B" Job Classification Salary Schedule to include the required update to Mr. Burror's compensation for compliance with PERS.

SOCWA staff previously published Exhibit "B" without the previous Acting General Manager's COLA rate. The updated salary schedule now includes the updated COLA rate as previously set by the Board under separate contract. By publishing this updated salary schedule and Board approval, SOCWA will now be in compliance with PERS.

Recommended Action: Staff recommends that the Board of Directors approve the updated Exhibit "B" Salary Schedule for July 1, 2023, and July 1, 2024.

Attachments:

MOU approved Exhibit "B" South Orange County Wastewater Authority Employee Handbook – Job Classification Salary Schedule, and Revised July 1, 2023, w/ COLA of 7%.

Revised MOU approved Exhibit "B" South Orange County Wastewater Authority Employee Handbook – Job Classification Salary Schedule, and Revised July 1, 2024, w/ COLA of 6%.

EXHIBIT "B"

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY EMPLOYEE HANDBOOK - JOB CLASSIFICATION SALARY SCHEDULE 7/1/2023 w/COLA of 7%

SEA Represented Classifications / Non-Exempt						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Operations Division</i>						
Operator Grade III	43	\$ 48.57	\$ 61.97	\$ 8,418.80	\$ 10,741.47	
Operator Grade II	41	\$ 44.04	\$ 56.21	\$ 7,633.60	\$ 9,743.07	
Operator Grade I	37	\$ 36.21	\$ 46.23	\$ 6,276.40	\$ 8,013.20	
Operator in Training	35	\$ 32.87	\$ 41.94	\$ 5,697.47	\$ 7,269.60	
<i>Maintenance Division</i>						
Maintenance Mechanic III	42.5	\$ 47.40	\$ 60.49	\$ 8,216.00	\$ 10,484.93	
Truck Driver/Maintenance Mechanic II	38	\$ 38.05	\$ 48.57	\$ 6,595.33	\$ 8,418.80	
Maintenance Mechanic II	38	\$ 38.05	\$ 48.57	\$ 6,595.33	\$ 8,418.80	
Maintenance Mechanic I	36	\$ 34.50	\$ 44.04	\$ 5,980.00	\$ 7,633.60	
O&M Inventory/Purchasing Specialist	38	\$ 38.05	\$ 48.57	\$ 6,595.33	\$ 8,418.80	
<i>Support Services Division</i>						
Sr. Electrician/SCADA Technician	45	\$ 53.49	\$ 68.33	\$ 9,271.60	\$ 11,843.87	
Maintenance Mechanic III /w/Co-Gen	42.5	\$ 47.40	\$ 60.49	\$ 8,216.00	\$ 10,484.93	
Electrical/Instrumentation Technician	42	\$ 46.23	\$ 59.03	\$ 8,013.20	\$ 10,231.87	
<i>Laboratory Services</i>						
Laboratory Q&A Specialist	44.5	\$ 52.30	\$ 66.70	\$ 9,065.33	\$ 11,561.33	
Laboratory Technician III	43.5	\$ 49.78	\$ 63.52	\$ 8,628.53	\$ 11,010.13	
Laboratory Technician II	41	\$ 44.04	\$ 56.21	\$ 7,633.60	\$ 9,743.07	
Laboratory Technician I	39	\$ 39.98	\$ 51.00	\$ 6,929.87	\$ 8,840.00	
Laboratory Aide/Sampler	35	\$ 32.87	\$ 41.94	\$ 5,697.47	\$ 7,269.60	

Unrepresented Classifications						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Operations Division</i>						
Assistant Chief Operator	44	\$ 51.00	\$ 65.07	\$ 8,840.00	\$ 11,278.80	
<i>Maintenance Division</i>						
Maintenance Mechanic Supervisor	44	\$ 51.00	\$ 65.07	\$ 8,840.00	\$ 11,278.80	
<i>Environmental Compliance / Laboratory Services</i>						
Source Control Manager	46	\$ 56.21	\$ 71.74	\$ 9,743.07	\$ 12,434.93	
<i>Administration Division</i>						
Executive Assistant	44.5	\$ 52.30	\$ 66.70	\$ 9,065.33	\$ 11,561.33	
Clerk of the Board						
Sr. Accountant	43	\$ 48.57	\$ 61.97	\$ 8,418.80	\$ 10,741.47	
Staff Accountant w/Payroll	38	\$ 38.05	\$ 48.57	\$ 6,595.33	\$ 8,418.80	
Accounts Payable Accountant w/PR Assistance	35	\$ 32.87	\$ 41.94	\$ 5,697.47	\$ 7,269.60	

Professional Classifications						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Operations Division</i>						
Chief Operator	50	\$ 68.33	\$ 87.21	\$ 11,843.87	\$ 15,116.40	
<i>Maintenance Division</i>						
Chief Maintenance Mechanic	50	\$ 68.33	\$ 87.21	\$ 11,843.87	\$ 15,116.40	
<i>Support Services Division</i>						
Support Services Manager	50	\$ 68.33	\$ 87.21	\$ 11,843.87	\$ 15,116.40	
Information Technology Systems Administrator	46	\$ 56.21	\$ 71.74	\$ 9,743.07	\$ 12,434.93	
<i>Environmental Compliance / Laboratory Services</i>						
Laboratory Manager	48	\$ 61.97	\$ 79.11	\$ 10,741.47	\$ 13,712.40	
Environmental Compliance Safety Risk Manager	45.5	\$ 54.87	\$ 70.02	\$ 9,510.80	\$ 12,136.80	
<i>Engineering Division</i>						
Sr. Engineer	50	\$ 68.33	\$ 87.21	\$ 11,843.87	\$ 15,116.40	
Associate Engineer	47.5	\$ 60.49	\$ 77.19	\$ 10,484.93	\$ 13,379.60	
<i>Administration Division</i>						
Procurement/Contracts Manager	48	\$ 61.97	\$ 79.11	\$ 10,741.47	\$ 13,712.40	
Human Resource Administrator	47.5	\$ 60.49	\$ 77.19	\$ 10,484.93	\$ 13,379.60	

Management Classifications						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Executive Management Division</i>						
Acting General Manager/Director of Operations		Set by the Board by Contract			\$ 19,749.60	
Director of Operations	54	\$ 83.05	\$ 106.00	\$ 14,395.33	\$ 18,373.33	
Director of Engineering	54	\$ 83.05	\$ 106.00	\$ 14,395.33	\$ 18,373.33	
Director of Environmental Compliance	54	\$ 83.05	\$ 106.00	\$ 14,395.33	\$ 18,373.33	
Finance Controller	52	\$ 75.36	\$ 96.15	\$ 13,062.40	\$ 16,666.00	

EXHIBIT "B"

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY EMPLOYEE HANDBOOK - JOB CLASSIFICATION SALARY SCHEDULE

REVISED 7/1/2023 w/COLA of 7%

SEA Represented Classifications / Non-Exempt						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Operations Division</i>						
Operator Grade III	43	\$ 48.57	\$ 61.97	\$ 8,418.80	\$ 10,741.47	
Operator Grade II	41	\$ 44.04	\$ 56.21	\$ 7,633.60	\$ 9,743.07	
Operator Grade I	37	\$ 36.21	\$ 46.23	\$ 6,276.40	\$ 8,013.20	
Operator in Training	35	\$ 32.87	\$ 41.94	\$ 5,697.47	\$ 7,269.60	
<i>Maintenance Division</i>						
Maintenance Mechanic III	42.5	\$ 47.40	\$ 60.49	\$ 8,216.00	\$ 10,484.93	
Truck Driver/Maintenance Mechanic II	38	\$ 38.05	\$ 48.57	\$ 6,595.33	\$ 8,418.80	
Maintenance Mechanic II	38	\$ 38.05	\$ 48.57	\$ 6,595.33	\$ 8,418.80	
Maintenance Mechanic I	36	\$ 34.50	\$ 44.04	\$ 5,980.00	\$ 7,633.60	
O&M Inventory/Purchasing Specialist	38	\$ 38.05	\$ 48.57	\$ 6,595.33	\$ 8,418.80	
<i>Support Services Division</i>						
Sr. Electrician/SCADA Technician	45	\$ 53.49	\$ 68.33	\$ 9,271.60	\$ 11,843.87	
Maintenance Mechanic III /w/Co-Gen	42.5	\$ 47.40	\$ 60.49	\$ 8,216.00	\$ 10,484.93	
Electrical/Instrumentation Technician	42	\$ 46.23	\$ 59.03	\$ 8,013.20	\$ 10,231.87	
<i>Laboratory Services</i>						
Laboratory Q&A Specialist	44.5	\$ 52.30	\$ 66.70	\$ 9,065.33	\$ 11,561.33	
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Laboratory Aide/Sampler	35	\$ 32.87	\$ 41.94	\$ 5,697.47	\$ 7,269.60	

Unrepresented Classifications						
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Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
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<i>Maintenance Division</i>						
Chief Maintenance Mechanic	50	\$ 68.33	\$ 87.21	\$ 11,843.87	\$ 15,116.40	
<i>Support Services Division</i>						
Support Services Manager	50	\$ 68.33	\$ 87.21	\$ 11,843.87	\$ 15,116.40	
Information Technology Systems Administrator	46	\$ 56.21	\$ 71.74	\$ 9,743.07	\$ 12,434.93	
<i>Environmental Compliance / Laboratory Services</i>						
Laboratory Manager	48	\$ 61.97	\$ 79.11	\$ 10,741.47	\$ 13,712.40	
Environmental Compliance Safety Risk Manager	45.5	\$ 54.87	\$ 70.02	\$ 9,510.80	\$ 12,136.80	
<i>Engineering Division</i>						
Sr. Engineer	50	\$ 68.33	\$ 87.21	\$ 11,843.87	\$ 15,116.40	
Associate Engineer	47.5	\$ 60.49	\$ 77.19	\$ 10,484.93	\$ 13,379.60	
<i>Administration Division</i>						
Procurement/Contracts Manager	48	\$ 61.97	\$ 79.11	\$ 10,741.47	\$ 13,712.40	
Human Resource Administrator	47.5	\$ 60.49	\$ 77.19	\$ 10,484.93	\$ 13,379.60	

Management Classifications						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Executive Management Division</i>						
Acting General Manager/Director of Operations		Set by the Board by Contract				\$ 21,132.80
Director of Operations	54	\$ 83.05	\$ 106.00	\$ 14,395.33	\$ 18,373.33	
Director of Engineering	54	\$ 83.05	\$ 106.00	\$ 14,395.33	\$ 18,373.33	
Director of Environmental Compliance	54	\$ 83.05	\$ 106.00	\$ 14,395.33	\$ 18,373.33	
Finance Controller	52	\$ 75.36	\$ 96.15	\$ 13,062.40	\$ 16,666.00	

EXHIBIT "B"

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY EMPLOYEE HANDBOOK - JOB CLASSIFICATION SALARY SCHEDULE 7/1/2024 w/COLA of 6%

SEA Represented Classifications / Non-Exempt						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Operations Division</i>						
Operator Grade III	43	\$ 51.48	\$ 65.69	\$ 8,923.20	\$ 11,386.27	
Operator Grade II	41	\$ 46.68	\$ 59.58	\$ 8,091.20	\$ 10,327.20	
Operator Grade I	37	\$ 38.38	\$ 49.00	\$ 6,652.53	\$ 8,493.33	
Operator in Training	35	\$ 34.84	\$ 44.46	\$ 6,038.93	\$ 7,706.40	
<i>Maintenance Division</i>						
Maintenance Mechanic III	42.5	\$ 50.24	\$ 64.12	\$ 8,708.27	\$ 11,114.13	
Truck Driver/Maintenance Mechanic II	38	\$ 40.33	\$ 51.48	\$ 6,990.53	\$ 8,923.20	
Maintenance Mechanic II	38	\$ 40.33	\$ 51.48	\$ 6,990.53	\$ 8,923.20	
Maintenance Mechanic I	36	\$ 36.57	\$ 46.68	\$ 6,338.80	\$ 8,091.20	
O&M Inventory/Purchasing Specialist	38	\$ 40.33	\$ 51.48	\$ 6,990.53	\$ 8,923.20	
<i>Support Services Division</i>						
Sr. Electrician/SCADA Technician	45	\$ 56.70	\$ 72.43	\$ 9,828.00	\$ 12,554.53	
Maintenance Mechanic III /w/Co-Gen	42.5	\$ 50.24	\$ 64.12	\$ 8,708.27	\$ 11,114.13	
Electrical/Instrumentation Technician	42	\$ 49.00	\$ 62.57	\$ 8,493.33	\$ 10,845.47	
<i>Laboratory Services</i>						
Laboratory Q&A Specialist	44.5	\$ 55.44	\$ 70.70	\$ 9,609.60	\$ 12,254.67	
Environmental Technician w/Laboratory Support	35	\$ 34.84	\$ 44.46	\$ 6,038.93	\$ 7,706.40	
Laboratory Technician III	43.5	\$ 52.77	\$ 67.33	\$ 9,146.80	\$ 11,670.53	
Laboratory Technician II	41	\$ 46.68	\$ 59.58	\$ 8,091.20	\$ 10,327.20	
Laboratory Technician I	39	\$ 42.38	\$ 54.06	\$ 7,345.87	\$ 9,370.40	
Laboratory Aide/Sampler	35	\$ 34.84	\$ 44.46	\$ 6,038.93	\$ 7,706.40	

Unrepresented Classifications						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Operations Division</i>						
Assistant Chief Operator	44	\$ 54.06	\$ 68.97	\$ 9,370.40	\$ 11,954.80	
<i>Maintenance Division</i>						
Maintenance Mechanic Supervisor	44	\$ 54.06	\$ 68.97	\$ 9,370.40	\$ 11,954.80	
<i>Environmental Compliance / Laboratory Services</i>						
Source Control Manager	46	\$ 59.58	\$ 76.04	\$ 10,327.20	\$ 13,180.27	
<i>Administration Division</i>						
Executive Assistant	44.5	\$ 55.44	\$ 70.70	\$ 9,609.60	\$ 12,254.67	
Clerk of the Board	43	\$ 51.48	\$ 65.69	\$ 8,923.20	\$ 11,386.27	
Sr. Accountant	35	\$ 34.84	\$ 44.46	\$ 6,038.93	\$ 7,706.40	
Accountant w/Payroll	35	\$ 34.84	\$ 44.46	\$ 6,038.93	\$ 7,706.40	
Accounts Payable Accountant w/PR Assistance	35	\$ 34.84	\$ 44.46	\$ 6,038.93	\$ 7,706.40	

Professional Classifications						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Operations Division</i>						
Chief Operator	50	\$ 72.43	\$ 92.44	\$ 12,554.53	\$ 16,022.93	
<i>Maintenance Division</i>						
Chief Maintenance Mechanic	50	\$ 72.43	\$ 92.44	\$ 12,554.53	\$ 16,022.93	
<i>Support Services Division</i>						
Support Services Manager	50	\$ 72.43	\$ 92.44	\$ 12,554.53	\$ 16,022.93	
Information Technology Systems Administrator	46	\$ 59.58	\$ 76.04	\$ 10,327.20	\$ 13,180.27	
<i>Environmental Compliance / Laboratory Services</i>						
Laboratory Manager	48	\$ 65.69	\$ 83.86	\$ 11,386.27	\$ 14,535.73	
Environmental Compliance Safety Risk Manager	45.5	\$ 58.16	\$ 74.22	\$ 10,081.07	\$ 12,864.80	
<i>Engineering Division</i>						
Sr. Engineer	50	\$ 72.43	\$ 92.44	\$ 12,554.53	\$ 16,022.93	
Associate Engineer	47.5	\$ 64.12	\$ 81.82	\$ 11,114.13	\$ 14,182.13	
<i>Administration Division</i>						
Procurement/Contracts Manager	48	\$ 65.69	\$ 83.86	\$ 11,386.27	\$ 14,535.73	
Human Resource Adminstrator	47.5	\$ 64.12	\$ 81.82	\$ 11,114.13	\$ 14,182.13	

Management Classifications						
Classification	Salary Range	Minimum Hourly Salary	Maximum Hourly Salary	Minimum Monthly Salary	Maximum Monthly Salary	
<i>Executive Management Division</i>						
Acting General Manager/Director of Operations		Set by the Board by Contract				\$ 19,749.60
Director of Operations	54	\$ 88.03	\$ 112.36	\$ 15,258.53	\$ 19,475.73	
Director of Engineering	54	\$ 88.03	\$ 112.36	\$ 15,258.53	\$ 19,475.73	
Director of Environmental Compliance	54	\$ 88.03	\$ 112.36	\$ 15,258.53	\$ 19,475.73	
Finance Controller	52	\$ 79.88	\$ 101.92	\$ 13,845.87	\$ 17,666.13	

EXHIBIT "B"

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY EMPLOYEE HANDBOOK - JOB CLASSIFICATION SALARY SCHEDULE

REVISED 7/1/2024 w/COLA of 6%

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Director of Environmental Compliance	54	\$ 88.03	\$ 112.36	\$ 15,258.53	\$ 19,475.73	
Finance Controller	52	\$ 79.88	\$ 101.92	\$ 13,845.87	\$ 17,666.13	

Agenda Item

6.A.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Roni Grant, Associate Engineer

SUBJECT: Coastal Treatment Plant (CTP) Aeration Blower System Upgrades Final Design [Project Committee 15]

Overview

The current aeration blower system at the Coastal Treatment Plant (CTP) consists of two larger size blowers and one smaller size blower. Blower 1 serves the west basins only; Blower 2 can be utilized at the east or west basins. Blower 3 serves as a backup unit to meet the higher demand or when dissolved oxygen demand is extremely low.

The operation of the aeration system has been hindered over the past ten years by increased solids concentrations, peak weekend loading conditions, mechanical breakdowns, and increased power demand charges to run a second blower in high peaks. This has largely prevented the utilization of the automated controls for the aeration system. In addition, two of the multistage blowers are equipped with speed increasers that require a significant amount of cooling water.

SOCWA retained Carollo Engineer in 2008 to evaluate the aeration blower capacity. In addition, as part of the Facility Plan, SOCWA retained CH2MHill in 2014 to evaluate the aeration system. In 2018, SOCWA retained Hazen to design the Facility Improvements project including the aeration system upgrades. However, the design was put on hold at 35% submittal due to the member agencies of PC 15 considering a reduction in the capacity of the treatment plant from 6.7 MGD to 4 MGD. In addition, a system to meet the current aeration demands and to satisfy future membrane bio reactor (BMR) demands is desired.

The final design project elements include the following:

- The project will involve the installation of one high-efficiency turbo blower.
- The existing multistage blowers will be demolished and removed. The demolition will need to be in phases to keep the existing system running.
- The design will include demolition, modification, and installation of new equipment base.
- The design will also include modifications to the building's HVAC and power supply, and there should be designated air intake to each blower for ease of isolation.
- The design should also include provisions for transitioning the process during construction (sequencing work).

Proposals

SOCWA solicited proposals through PlanetBids on April 4, 2024. Five firms were contacted during this process:

- Black and Veatch
- Carollo Engineers
- Dudek
- Hazen and Sawyer
- HDR

Only Carollo Engineers submitted a proposal. The original proposed fee was \$462,584. Staff reached out to the firms that did not propose. The firms indicated that the timeline did not work with their current workload.

A summary of proposal and SOCWA's staff ratings are in Table 1.

Table 1 – Summary of Proposals

Firm	Carollo
Project Manager	Jeff Weishaar
Total Labor Hours	2,018
Revised Total Fee	\$447,584
SOCWA Staff Rating (80 max)	72

Staff recommends Carollo due to the following:

- The Project Manager is the most familiar with the CTP facilities.
- The project team is the most familiar with the CTP facilities.
- The firm has the most realistic project understanding and approach.
- The project team and manager have recently completed similar work.

A summary of the SOCWA staff's rating of the proposal is provided in Table 2.

Table 2: Evaluation Criteria

Evaluation Criteria	Carollo
Overall Qualifications and Experience of Firm (20 points)	19
Record of like projects: (10 points)	9
Realistic level of effort: (20 points)	18
Ability to Deliver Timely: (10 points)	9
Responsibility & Responsiveness:	Yes
Cost Competitive: (20 Points)	17
Total: (80 possible)	72

Cost Allocation

The cost allocation for the design effort and contingency is shown in Table 3. Staff requests a contingency of \$27,416 for potential unknown issues during design, for a total project budget of \$475,000.

Table 3 – Cost Allocation by Member Agency (including contingency)¹

Agency	Percentage of Ownership	Aeration Blower System Upgrades 35247L
City of Laguna Beach	54.28%	\$257,830.00
Emerald Bay Service District	2.99%	\$14,202.50
South Coast Water District	42.73%	\$202,967.50
Total	100%	\$475,000.00

1. The updated allocations were based on the November 18th draft CTP capacity rights transfer final agreement (Agreement No.3).

The proposals were distributed to the evaluation committee (PC 15 Engineering Committee members and SOCWA staff) on July 16, 2024. SOCWA staff engaged in further discussions with Carollo Engineers to refine the design effort, aligning more closely with the current system needs. The following modifications were made to the original proposal:

- **PDR Effort:** The effort required for the Preliminary Design Review (PDR) remains consistent. Carollo Engineers need to evaluate current and future scenarios and treatment objectives to identify both future and current aeration needs.
- **Plans:** Structural, mechanical, and electrical plans will see minor savings on each sheet, as Carollo Engineers are drawing one new unit instead of multiple. However, sections and details will still be required and are not dependent on the number of units, as they would be typical for all.
- **Conduit Schedule:** There will be a slight reduction in the conduit schedule.
- **I/O List:** The Input/Output (I/O) list will have a small reduction.
- **P&ID Drawings:** One less Piping and Instrumentation Diagram (P&ID) drawing will be needed.
- **Cost Estimating:** Cost estimating will remain largely unaffected.

Budget

The Aeration Blower System Upgrades (35247L) has a project budget of \$75,000, and \$50,000 has been collected through June 30, 2024. Staff requests an additional budget of \$400,000 for a total revised project budget of \$475,000 for the Aeration System Upgrades design.

Prior Related Project Committee or Board Action (s)

This item was reviewed and discussed by the Engineering Committee on November 14, 2024. The Engineering Committee agreed with staff's recommendation.

Recommended Action: The Engineering Committee recommends that the PC 15 Board of Directors i) add \$400,000 to the CTP Aeration Blower System Upgrades project budget, for a total amended budget of \$475,000, ii) approve a contract with Carollo Engineers for a total of \$447,584, and iii) approve a project contingency of \$27,416 to cover potential unknown issues during design.



Prepared for
**SOUTH ORANGE COUNTY
WASTEWATER AUTHORITY**

Coastal Treatment Plant Aeration Blower System Upgrades

PROPOSAL

Invitation No. ENG – 24-003 / June 19, 2024





3150 Bristol Street, Suite 500
Costa Mesa, California 92626
714-593-5100
carollo.com

June 19, 2024

Ms Jeanette Cotinola, Procurement/Contracts Manager
South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point, CA 92629

Subject: Proposal for Coastal Treatment Plant Aeration Blower System Upgrades

Dear Ms. Cotinola:

The South Orange County Wastewater Authority (SOCWA) has strategically planned the replacement and upgrade of their aeration blowers as part of the Aeration Blower System Upgrades Project, located at the Coastal Treatment Plant (CTP). This project presents an opportunity to increase the efficiency, flexibility, and automation of the CTP aeration blower system that has been hindered over the past several years due to increased solids concentrations, peak weekend loading conditions, mechanical breakdowns, and increased power demand charges. By replacing the existing multistage blowers with high-efficiency turbo blowers, the CTP will reduce operational costs and be capable of accommodating future improvements like the Diffusers Upgrades Project and future membrane bio reactor (MBR) demands.

Carollo's project team is exceptionally qualified to perform the work described in SOCWA's request for proposal (RFP). Our team has extensive experience in the evaluation of process air demands at wastewater treatment facilities, as well as design and selection of all types of blower technologies, especially high-efficiency turbo blowers.

Jeff Weishaar will serve as your project manager. Jeff provides a familiar face who is knowledgeable of the CTP and will maintain open lines of communication between SOCWA and the project team. Juan Loera, the project blower lead, is highly accomplished in the field of blower selection and associated aeration air system design. Juan has performed similar services for many other clients, including Eastern Municipal Water District, the City of Bellingham, and Metro Wastewater Reclamation District. Benito Gutierrez, your project engineer, will perform the day-to-day tasks alongside Jeff and Juan. He will evaluate the costs/benefits of each modification or replacement alternative, in addition to other "intangibles" such as system complexity, flexibility, and maintenance requirements.

Our approach will be to work collaboratively with SOCWA to provide a detailed technical evaluation to determine design criteria, select appropriate alternatives, calculate the life-cycle costs/benefits, and recommend the alternative which best fits SOCWA's goals.

We look forward to discussing and implementing this important project with SOCWA. Please review the enclosed materials and contact me at 858-245-6081 or jweishaar@carollo.com with any questions or comments.

Sincerely,

CAROLLO ENGINEERS, INC.

Jeff Weishaar, PE
Vice President

This proposal is valid for six (6) months from submittal date.

CTP Aeration Blower System Upgrades / Cover Letter

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Identification of Responder

Identification of Responder

Legal Name
Carollo Engineers, Inc.

At Carollo, water is all we do. This unwavering commitment to the water industry has been a hallmark of the company since our inception in 1933.

Corporate Headquarters
2795 Mitchell Drive
Walnut Creek, California 94598

Address of Principal Place of Business
3150 Bristol Street, Suite 500
Costa Mesa, California 92626

Form of Company
Corporation

Parent Companies
None

Contact Person
Jeff Weishaar, PE
Project Manager
P: 858-245-6081
E: jweishaar@carollo.com

Firm Overview

With more 1,400 employees in 50+ offices throughout North America, Carollo has completed tens of thousands of projects for hundreds of clients throughout the US and Canada. During our 91-year history, we have had a singular commitment to the water industry. Over the decades, this focus has opened the door to the very best talent in the industry, allowing Carollo to deliver innovative water solutions and unparalleled service to our clients. We work nationally with a predominantly local Southern California presence.

Our targeted expertise allows us to focus on developing cost-effective, innovative, and reliable solutions to help our clients protect public health and the environment. It also allows us to recruit the brightest minds in the industry, train our staff on the issues impacting water—including resiliency—and lead the industry with innovative ideas tailored to the specific needs of our clients.

Wastewater Treatment

Carollo has designed new or improved facilities for more than 300 wastewater treatment plants (WWTPs) ranging in size from less than 1 million gallons per day (mgd) to more than 450 mgd in capacity. This experience includes design of influent pump stations, force mains, and headworks; primary clarification; secondary treatment and aeration systems; biological nitrogen and phosphorus removal; tertiary treatment; disinfection using ultraviolet (UV) light; biosolids pumping, screening, thickening, digestion, dewatering, drying, and reuse; digester gas reuse; and odor control facilities.

Carollo's ability to listen to and collaborate with clients on conventional and innovative design solutions is best in class. Our attention to detail and thorough design development translates into a quality work product in the field, one that the entire project team can be proud of.



By the Numbers

2,000+
wastewater
infrastructure
projects

300+
WWTPs up
to 450 mgd

Aeration air systems from
**1,000-
170,000**
standard cubic feet
per minute (scfm)

Blower sizes from
**1,000-
30,000**
scfm

4-84
inch diameter
aeration air
pipelines

Approach to the Work

Approach to the Work

Our approach leverages our understanding of your facilities, our aeration systems and similar project experience, and our local team of industry leaders in aeration blower systems.

APPROACH AND UNDERSTANDING

Over the past ten years, SOCWA’s CTP secondary treatment process and aeration air system has seen some significant challenges:

- Increased solids concentrations
- Peak weekend loading conditions
- Mechanical breakdowns
- Increased power demand charges
- Inability to fully utilize automated controls for the blowers and aeration air system

SOCWA strategically develops approaches to maintain and improve its facilities to provide efficient wastewater treatment for its seven member agencies. The Aeration Blower System Upgrades project has been thoughtfully evaluated by SOCWA over the last several years. The CTP aeration air blowers and other system components are at the end of their useful life-requiring substantial upgrades.

The secondary treatment process facilities include several critical components at the heart of your wastewater treatment process. With a wide range of system components with differing needs for upgrades, repairs or replacement, we have identified the critical success factors for this project. Based on our past discussions with your staff, plant visits, and review of the request for proposal (RFP) package, these are the five elements that are critical to meeting the goals and objectives of this project:

1

Designing for Future Flexibility and Maximizing Your Investment

2

Fully-renewed Blower System

3

Operational Flexibility with Robust and Reliable Secondary Treatment

4

Automated Aeration Air Controls

5

Construction Sequence

1

Designing for Future Flexibility and Maximizing your Investment

Your Blower Replacement Project is an opportunity for long-term planning for operational flexibility and savings. The secondary treatment process at the CTP is the most critical process as it defines your CTP's treatment capacity. CTP's current treatment plant configuration with the East Aeration Basins and West Aeration Basins parallel secondary treatment trains provides a combined treatment plant capacity of 6.7 mgd. This blower replacement project is more than just replacing blowers with newer and more efficient ones, that would miss the opportunity to plan this project with your future process treatment options. The blower evaluation process we're going to complete in this project will consider the following:

- What treatment capacity is CTP going to need: 4 mgd or 6.7 mgd?
- What level of treatment: Biological Oxygen Demand (BOD) or full nitrification?
- What are potential future treatment upgrades: membrane bioreactor (MBR) treatment process?

These secondary treatment process options will have different aeration air and blower system requirements. Your blower replacement project should be designed in a way to provide you with the flexibility to accommodate all of these future capacity changes in your conventional activated sludge treatment system or secondary treatment upgrades to an MBR system.

CTP Design Condition – Conventional Activated Sludge 6.7 MGD

	East Basins	West Basins
Aeration Airflows – BOD Removal Only Design Maximum Day (scfm)	4,260	1,800
Aeration Airflows – Nitrification Design Maximum Day (scfm)	6,400	2,650

CTP Design Condition – MBR Process Upgrade

	Average Day 4.7 mgd	Peak Day 6.8 mgd
Aeration Airflows – Nitrification Estimated Airflow (scfm)	6,130	11,860

By coordinating the blower replacement project with your future plans for CTP, your investment in this project will be maximized and allow you to start building the aeration air system infrastructure for your future needs.

2

Fully renewed Blower System

The new design should optimize the existing layouts in both blower buildings, the selection of system components, and the control systems to improve operational flexibility and system robustness. We can do this while minimizing the capital cost of the blower replacement project. Aeration blowers are expensive machines to purchase and represent the single highest power demand at CTP. We have prepared an approach to design improved blower performance with new blowers while utilizing your existing aeration system assets, such as the existing multi-stage blowers and existing Blower Building 1, to reduce your cost for this project.

We will help you take advantage of every major opportunity in this project by designing for:

- ✓ *Reduced blower replacement capital cost*
- ✓ *Reduced long-term blower operations & maintenance (O&M) costs*
- ✓ *Flexible and reliable aeration system*

We will work with SOCWA staff to help evaluate blower options that will provide you with the right blower system for CTP. Our past work together with your staff gives us a solid foundation to work collaboratively to develop the right alternatives. Our aeration air and blower system experts have substantial experience designing similar facilities to provide you with a “like new” blower system that meets or exceeds your expectations.

Based on our initial investigations, there are several blower replacement alternatives that will meet your needs. The following is a list of initial blower alternative possibilities, plus others that we will develop with your staff:

Alternative 1

New high-speed turbo blowers at Blower Building 2 for East Aeration Basins

Alternative 2

New high-speed turbo blowers at Blower Building 2 for East and West Aeration Basins

Alternative 3

New high-speed turbo blowers at Blower Building 2 for East Aeration Basins and relocated existing multi-stage blowers to Blower Building 2

Alternative 4

New high-speed turbo blowers at Blower Building 1 for East Aeration Basins and repurpose existing multi-stage blowers for West Aeration Basins

The Carollo team brings several decades of blower and aeration systems experience with many projects very similar to your needs at CTP. However, **the right blower alternative will be the one that we develop with SOCWA’s staff to meet your needs.**

3

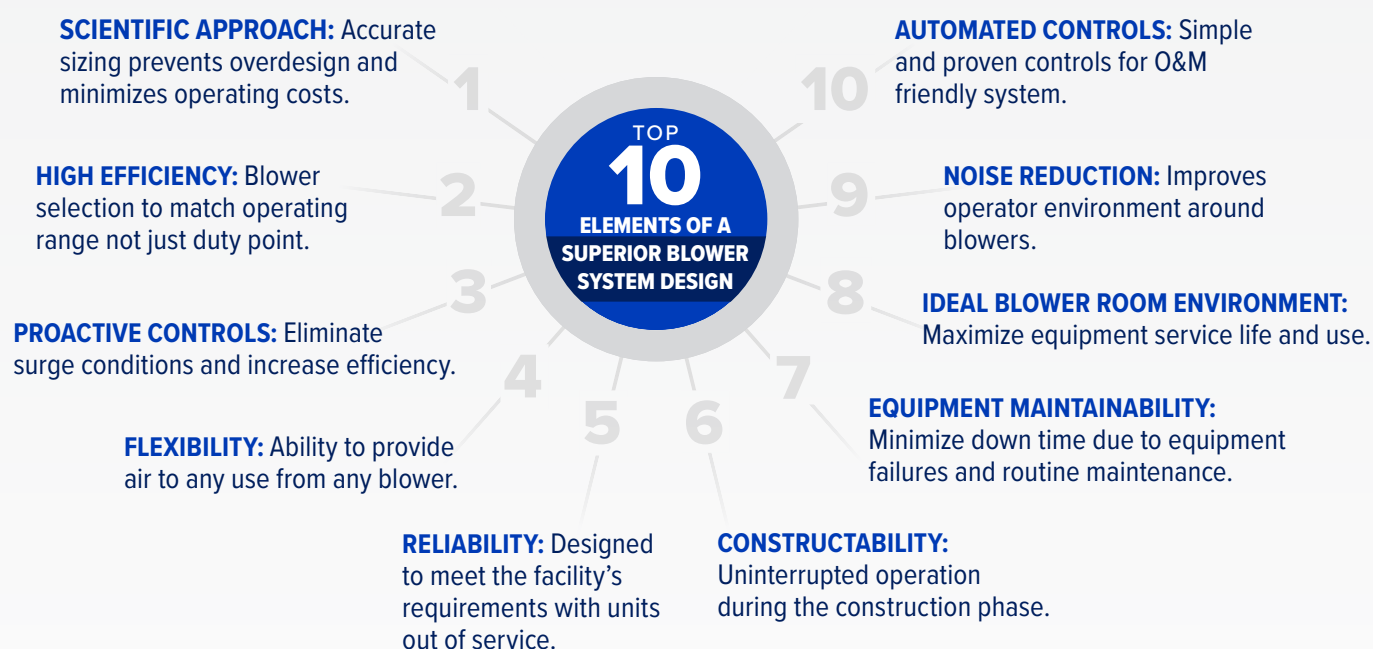
Design to Improve Operational Flexibility and Reliability

Carollo will help you determine the ideal blower system configuration with one or two blower buildings, as well as the optimal quantity of blowers and sizes to meet your current and future treatment needs to provide a flexible and reliable aeration air system. We do this through a thorough evaluation of the CTP operating data to assess the actual air demand for the two parallel treatment trains, East Aeration Basins and West Aerations Basins. The two sets of aeration basins require two different aeration air systems because the side water depths vary greatly. East Aeration Basins are 25 feet deep and West Aeration Basins are 15 feet deep. This difference in water depth results in a 4.33 psig difference in the aeration air required.

Carollo's design approach will look at average operating conditions, as well as during peak loads, changing temperatures, varying oxygen transfer efficiencies, different diffuser fouling patterns, and current and possible futures nutrient requirements. Our proven approach allows us to refine the air demands and avoid unnecessary blower oversizing. After we identify the right air demand, we will optimize the number of blower units and blower sizes to make sure there is adequate range and turndown to cover low diurnal conditions, normal operations, and peak loading scenarios.

Experienced Aeration Air System Designers Provide Flexible and Robust Designs

Carollo has designed many blower and aeration air control systems over the past decade. Our Mechanical Engineer leading the blower design, Juan Loera, is one of the most experienced engineers designing WWTP blower systems in the wastewater industry today. Juan and Carollo have identified a "Top 10" list of items that must be properly evaluated and designed to deliver a good blower facility.



4

Automated Aeration Air Controls Designed to Provide a Relivable System and Reduce O&M Costs

With aeration air supply being the single biggest power demand at CTP, replacing the old multi-stage blowers, which are at the end of their useful life, and existing control system with the most efficient state-of-art technology available represents a big opportunity for improved operations for current and future treatment process upgrades.

Designing a proper blower system goes beyond just providing the required aeration air; understanding how a new blower system will perform for your plant is even more important. Providing a reliable and easy to operate control system to meet your process air needs with reduced power costs will be a prime focus of Carollo's design team. Carollo can help SOCWA with the following design approaches:



Select and specify the most efficient blowers that can automatically adjust air capacity to operate at the most efficient point over a wide range of flows and pressures.



Develop control algorithms specifically for CTP to operate the blowers and aeration air system at the lowest pressure possible and prevent unnecessary blower starts during peak power demand times, thereby reducing demand charges.



Incorporate and correctly operate most-open-valve control strategy.



Evaluate other state-of-the-art controls such as direct ammonia control.

Carollo is currently involved in the development of aeration control and dissolved oxygen (DO) optimization at several WWTPs across the nation, while at the same time developing and implementing proven automated aeration air controls that are simple to operate and flexible to accommodate changing process needs.



Construction Sequence

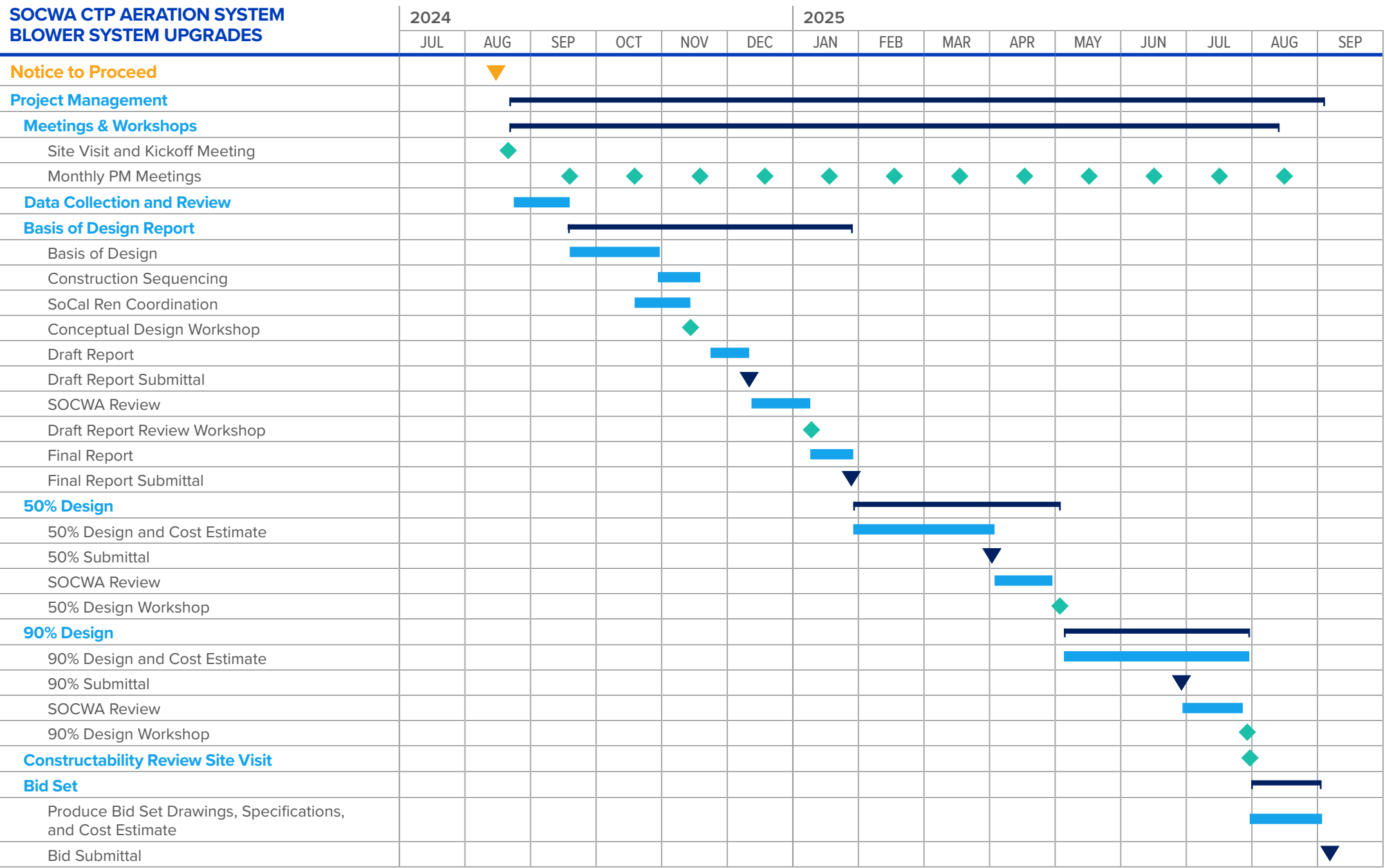
This project is much more than a blower replacement project – it’s a project that requires detailed construction sequence planning to deliver a “like new” blower system and new controls system on the secondary treatment process which is the heart of your process treatment a CTP. The construction sequence for this project can’t be an afterthought or something that will be left to be determined during the Construction Phase. Carollo’s design will be driven to deliver a constructable design that minimizes impacts to CTP.

All blower alternatives, aeration air controls improvements, and process piping modifications will be designed based on a construction sequence that will keep your secondary treatment capacity online during the entire construction phase. As part of the blower alternatives, we will develop a construction sequence for each alternative so that construction sequencing will be one of the evaluation criteria. Once a blower alternative is selected, we plan to maintain and update the construction sequencing plan as the design progresses so that constructability is designed-in to the blower replacement design.

PROPOSED PROJECT SCHEDULE

KEY

- Notice to Proceed
- Meeting/Workshop
- Deliverable



Our Approach to CTP Aeration Blower System Upgrades

This project is more than just replacing the three existing multi-stage blowers with new blowers, **our approach will provide added benefits.**



Enhanced operability and maintainability of aerations basins and blowers system



Fully renewed assets that are approaching the end of their useful life



Optimized secondary process operation and control for energy savings



Flexibility for future

Experience and Technical Competence

Experience and Technical Competence



DATE INITIATED/DATE COMPLETED

2023 – Ongoing (est. on time)

CLIENT

Tom Falk, Director of Infrastructure
and Sustainability
San Elijo Joint Powers Authority
E: falkt@sejpa.org
P: 760-753-6203 x77

KEY PERSONNEL INVOLVEMENT

Jeff Weishaar

San Elijo Water Quality Improvements Project

San Elijo Joint Powers Authority, CA

Carollo is assisting the San Elijo Joint Powers Authority in converting the secondary treatment process at the San Elijo Water Campus to remove ammonia and improve sludge settling through the implementation of surface wasting and concentrating mixed liquor. The project includes modifications to the aeration basins to create anoxic zones for denitrification along with new diffuser layouts and internal recirculation. The nitrification-denitrification also increases air demands in the process so additional high-speed turbo blowers will be installed. Current and new blowers will be reprogrammed to operate in a most-open valve mode to control oxygen in the basins along with trimming features based on nitrate and ammonia levels in the tanks. Surface wasting will include a new wet well off the mixed liquor channels, wasting pumps and vortex cyclones to separate light floc that is then wasted from heavier, better settling floc that is returned to the return activated sludge (RAS) system.



DATE INITIATED/DATE COMPLETED

2020 – 2022 (on time)

CLIENT

Nathan Giacinto,
Wastewater Division Supervisor
City of Solvang
E: nathang@cityofsolvang.com
P: 805-688-6997

KEY PERSONNEL INVOLVEMENT

Jeff Weishaar

WWTP Water Quality Improvement Project

City of Solvang, CA

The City of Solvang owns and operates a 1.5 mgd WWTP. The plant includes three sequencing batch reactors for biological treatment of the incoming sewage. The facility was designed and built for BOD removal only, however, the Regional Water Quality Control Board (RWQCB) notified the City in 2019 of plans to amend the operating permit to include nitrogen limits. Carollo assisted the City in modifying the sequencing batch reactor (SBR) operations to allow for nitrification-denitrification. While successful, the modified operation resulted in reduced capacity. In addition, the aging facility required across-the-board upgrades along with a desire to explore tertiary treatment.

Carollo provided Phase 1 engineering design and construction services to upgrade the aeration system to provide improved treatment for nitrogen removal. In addition, Carollo assisted the City in identifying and applying for grants and low-interest loans to fund the overall plant improvement. The improvements include new tertiary facilities and distribution to users across the City, including golf courses and City greenscape.

**DATE INITIATED/DATE COMPLETED**

2004 – 2015 (on time)

CLIENT

Matthew Verosik, Senior Plant Manager
 Eastern Municipal Water District
 E: verosikm@emwd.org
 P: 951-928-3777 x7101

KEY PERSONNEL INVOLVEMENT

Juan Loera, Doug Lanning, Khalil Kairouz

San Jacinto Valley Regional Water Reclamation Facility (RWRf) Expansion

Eastern Municipal Water District, CA

Carollo provided planning, preliminary design, final design, and construction services for a comprehensive plant expansion to 14 mgd for the San Jacinto Valley RWRf, which had only secondary treatment capabilities. The first project phase involved design of \$13.8 million in new secondary effluent equalization and tertiary treatment facilities to provide Title 22 approved reclaimed water. The tertiary facilities included cloth-media disk filters, alum chemical facility, and return water pump station. The subsequent Tertiary Treatment and Plant 2 project provided a new headworks facility and a much-needed expansion of the biosolids handling processes. Through the project, the facility gained three rotary drum thickeners (RDTs) for thickening wastewater activated sludge (WAS); two 80-foot diameter anaerobic digesters; one 80-foot diameter digested sludge holding tank; a digester gas system with a low-pressure digester gas holder and gas boosters; digester pump mixing systems; digester heating systems; a sludge transfer pump station; rehabilitation of the existing anaerobic digesters; and all associated piping, appurtenances, electrical, instrumentation, and control work.

**DATE INITIATED/DATE COMPLETED**

2006 – 2011 (on time)

CLIENT

Bruce Mitzel, Director of Field Engineering
 Eastern Municipal Water District
 E: mitzelb@emwd.org
 P: 951-928-3777 x4476

KEY PERSONNEL INVOLVEMENT

Juan Loera

Moreno Valley RWRf Expansion

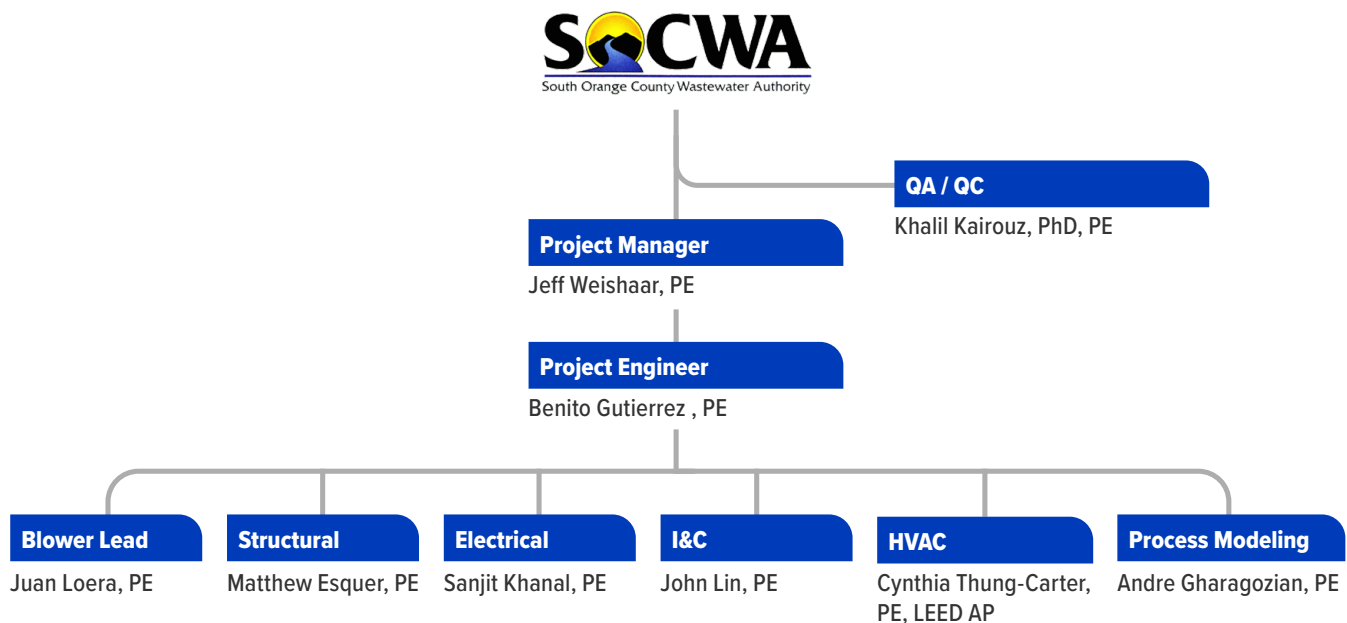
Eastern Municipal Water District, CA

Carollo provided planning, preliminary design, final design, and construction services to expand the Moreno Valley RWRf. This project was implemented in phases via three construction packages, in order to accelerate the delivery of the most time-critical components. In the Secondary Clarifier and Tertiary Treatment project, the capacity of the secondary treatment process increased from 13.5 to 15.8 mgd while addressing reliability issues of existing facilities and infrastructure. For example, both of the existing 125-foot diameter secondary clarifiers required substantial mechanical rehabilitation, and an existing blower driven by a digester gas-fired engine needed complete replacement. In addition, the project provided two additional clarifiers as well as replacement and expansion of RAS/WAS pumping equipment. As for the tertiary treatment process, the project increased capacity from 16 to 23 mgd. The entire tertiary process was revamped with expanded pumping capacity, new tertiary filters, improvements to the existing chemical feed systems, and a new chlorine contact basin.

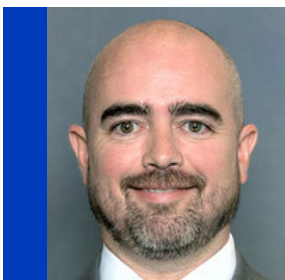
Key Personnel and Sub-consultants

Key Personnel and Sub-consultants

Our project teams brings familiarity and expert knowledge in wastewater treatment and water quality, and will guide SOCWA towards strategic decision-making.



Carollo does not expect to use of sub-consultants to complete this work.



60% AVAILABLE

Jeff Weishaar, PE

PROJECT MANAGER

★ Jeff is a proven project manager and a senior wastewater treatment planning and design engineer with 20 years of experience. He has held a leadership role in projects involving nearly all aspects of wastewater treatment processes and facilities, including elements of analysis, design, and construction. Jeff has worked on multiple projects for SOCWA, and brings familiarity with your plant site, processes, and staff.

RESPONSIBILITIES: As project manager, he will be responsible for maintaining the overall schedule, directing and supporting the activities of the engineering specialists, and will serve as your primary point of contact throughout the project.

RELEVANT EXPERIENCE

- Project manager for the CTP RAS System and Headworks Upgrades, SOCWA, CA.
- Project engineer for the CTP Aeration Blower Capacity Analysis, SOCWA, CA.
- Project engineer for the CTP Return Activated Sludge Flow Control Analysis, SOCWA, CA.
- Project engineer for the J.B. Latham WWTP Digester 3 Repairs, SOCWA, CA.



25% AVAILABLE

Khalil Kairouz, PE

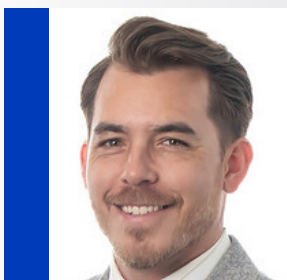
QA/QC

★ Khalil is Carollo's designated practice leader in odor control with 35 years of experience in planning, process design, and construction services for conventional and advanced water and wastewater treatment projects. His design projects include pump stations; ion exchange, demineralization, odor control, and chemical feed facilities; blowers; emergency standby generators; compressor facilities; pressure vessels; heating, ventilating, and air conditioning systems; and tertiary filtration.

RESPONSIBILITIES: Khalil will provide technical direction for the project team, provide input for key technical design details, and participate in design review meetings.

RELEVANT EXPERIENCE

- Lead odor control and HVAC engineer for the San Jacinto Valley RWRF Title 22 Tertiary Treatment Upgrades, Eastern Municipal Water District, CA.
- Lead design engineer for the Perris RWRF Expansion Plant 3, Eastern Municipal Water District, CA.
- Project engineer for the Aeration Upgrades to the Secondary System project for the City of Riverside, CA.



75% AVAILABLE

Benito Gutierrez, PE

PROJECT ENGINEER

★ Benito has six years of experience in mechanical engineering with a focus on design and hydraulic modeling. He has worked on several projects including developing equipment pre-procurement documents and preparing preliminary design reports and drawings.

RESPONSIBILITIES: As project engineer, Benito will be working on this project day-to-day alongside Jeff.

RELEVANT EXPERIENCE

- Project engineer for the El Estero Water Resource Center Secondary Treatment Process Improvements project, Primary Sludge Pump No. 3, City of Santa Barbara, CA.
- Project engineer for the Solids Thickening Design project, Encina Wastewater Authority, CA.
- Assistant project engineer for the Braemar Lift Station Rehabilitation project, City of Santa Barbara, CA.



50% AVAILABLE

Juan Loera, PE

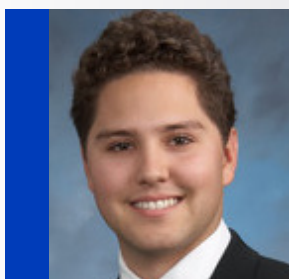
BLOWER LEAD

★ Juan brings over 25 years of experience designing mechanical systems for municipal wastewater facilities. Juan has extensive knowledge in the design of large blowers, compressors, and pumping systems associated with water and wastewater treatment facilities and the HVAC systems necessary for process and electrical buildings. He has evaluated, analyzed, and developed approaches for combining existing aeration air systems with new plant expansions, and combined multiple blower facilities to operate as a common system.

RESPONSIBILITIES: Juan will provide expertise in blower selection and design, and work with Jeff and Benito to make sure all components work well together and can be modified for necessary future improvements.

RELEVANT EXPERIENCE

- Design engineer for design of the San Jacinto Valley Regional Water Reclamation Facility Plant 2 Facilities and Title 22 Tertiary Treatment Upgrade, Eastern Municipal Water District, CA.
- Design engineer for a high-speed turbo-blower system design engineer for the Post Point Wastewater Treatment Plant Expansion project, City of Bellingham, WA.
- Design engineer for the final design of the South Secondary Improvements project, Metro Wastewater Reclamation District, CO.



40% AVAILABLE

Matthew Esquer, PE

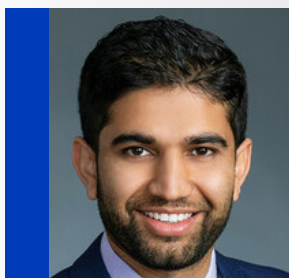
STRUCTURAL

★ Matthew has nine years of experience specializing in wastewater treatment design and engineering services during construction. He has assisted with design of wastewater treatment facility structures in accordance with current standards and building codes and has also worked on seismic evaluations of structures and design of retrofit and rehabilitation projects. Matthew has experience reviewing structural shop drawings and responded to requests for information in regard to construction issues.

RESPONSIBILITIES: Matthew will focus on the structural aspects of the Aeration Blower System Upgrade project.

RELEVANT EXPERIENCE

- Instrumentation and control systems engineer for the Point Loma Wastewater Treatment Plant Digester Upgrades, City of San Diego, CA.
- Instrumentation and control systems engineer for the Plant 1 PL-36 PLC/MMI Programming project, Orange County Sanitation District, CA.
- Senior engineer for the P1-105 Headworks Rehab at Plant 1, Orange County Sanitation District, CA.



40% AVAILABLE

Sanjit Khanal, PE

ELECTRICAL

★ Sanjit is an electrical engineer with experience in electrical manufacturing. His previous experience includes designing industrial induction heating systems. At Carollo, he has worked on multiple projects designing electrical systems for water and WWTPs.

RESPONSIBILITIES: Sanjit will focus on the electrical and implementation aspects of the Aeration Blower System Upgrade project.

RELEVANT EXPERIENCE:

- Electrical staff professional providing construction support for the JB Latham Facility Plan Improvements – Phase 2 Biosolids Upgrades, SOCWA, CA.
- Electrical design engineer for the Southeast WWTP Expansion, Pasco County, FL.
- Electrical design engineer for the Sand Creek Water Reuse Facility Rehabilitation and Improvements, City of Aurora, CO.



40% AVAILABLE

John Lin, PE

I&C

★ John has more than 30 years of experience in the field of instrumentation and control systems. He has technical expertise in preparing designs and specifications in instrumentation and control systems, coordinating design and construction activities to minimize impacts to plant facilities, overseeing and monitoring consultant designs for compliance with engineering standards, safety, design quality expectations, and stakeholder needs, and providing startup and commissioning support services.

RESPONSIBILITIES: John will focus on the instrumentation and control aspects of the Aeration Blower System Upgrade project

RELEVANT EXPERIENCE

- Instrumentation and control systems engineer for the Point Loma WWTP Digester Upgrades, City of San Diego, CA.
- Instrumentation and control systems engineer for the Plant 1 PL-36 PLC/MMI Programming project, Orange County Sanitation District, CA.
- Senior engineer for the P1-105 Headworks Rehabilitation at Plant 1, Orange County Sanitation District, CA.



40% AVAILABLE

Cynthia Thung-Carter, PE, LEED AP

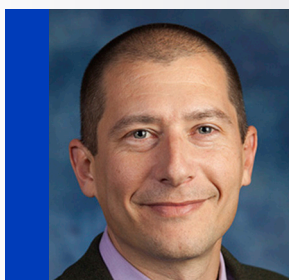
HVAC

★ Cynthia has more than 19 years of experience providing mechanical design and construction support services for mechanical systems in water and wastewater treatment projects. Her specialized experience includes pump stations, renewable energy, standby power, surge tank systems, air compressor systems, HVAC, odor control systems, plumbing, and hot water heating system design.

RESPONSIBILITIES: Cynthia will lead the evaluation and design of HVAC improvements that may be required to comply with NFPA 820 standards.

RELEVANT EXPERIENCE

- Design engineer for the Headworks Rehabilitation/Refurbishment (P1-71) project, Orange County Sanitation District, CA.
- Mechanical engineer for the design of Moreno Valley Regional Water Reclamation Facility Dewatering Odor Control and Conveyance Replacement project, Eastern Municipal Water District, CA.
- Mechanical engineer for the Temecula Valley RWRF 18 mgd Expansion Capacity Project, Eastern Municipal Water District, CA.



40% AVAILABLE

Andre Gharagozian, PE

PROCESS MODELING

★ Andre has more than 22 years of experience as a consulting engineer in the water and wastewater field with an emphasis on wastewater treatment. His expertise is in secondary process analysis and modeling and nitrogen removal with an emphasis on trickling filter/activated sludge and activated sludge systems

RESPONSIBILITIES: Andre will lead the process modeling for the project.

RELEVANT EXPERIENCE

- Process engineer for the Aeration Blower Replacement project, Central Marin Sanitation Agency, CA.
- Project manager for the Biofloc Aeration System Upgrade Study, Monterey Regional Water Pollution Control Agency, CA.
- Project manager for the Aeration Retrofit project, City of Woodland, CA.

Certifications

Certifications

1. Carollo certifies that it is not aware of any actual or potential conflict of interest that exists or may arise by executing the contract or performing the work that is the subject of this Request for Proposals (RFP).
2. Carollo certifies that it is willing and able to obtain all insurance required by the form contract included as Attachment C on the RFP.
3. Carollo certifies that it has conducted a reasonable and diligent inquiry concerning the minimum and/or prevailing wages required to be paid in connection with the performance of the work that is the subject of the RFP and certifies that the proposed pricing includes funds sufficient to allow Carollo to comply with all applicable local, state, and federal laws or regulations governing the labor or services to be provided.
4. Carollo acknowledges and agrees with all terms and conditions stated in the RFP.
5. Carollo certifies that all information provided in connection with its proposal is true, complete, and correct.

Carollo requests the following modifications and exceptions be included in the final agreement:

Section 5.3: In the 2nd line after “professional manner” insert “, in accordance with the prevailing engineering standard of care.”

Section 6.6.2: In the 2nd line, replace “materially altered” with “reduced in coverage.”

Section 6.6.4: Add “, except for Professional Liability” to the end of the sentence.

Section 9.2: Add the following to the end of the last sentence of the paragraph: “; however, CONTRACTOR shall be entitled to keep one (1) copy of all such confidential information that was used, relied upon and/or incorporated into any deliverables hereunder by CONTRACTOR, except to the extent SOCWA determines that CONTRACTOR’s retention of such confidential information creates a security risk. In such an event, CONTRACTOR is permitted to retain confidential information, it shall continue to do so in accordance with the terms of this section.”

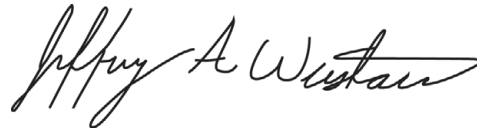
New Sections 10.15 & 10.16:

Section 10.15: Third Parties

The Services to be performed by CONTRACTOR are intended solely for the benefit of SOCWA. No person or entity not a signatory to this Agreement shall be entitled to rely on CONTRACTOR’S performance of its services hereunder, and no right to assert a claim against CONTRACTOR by assignment of indemnity rights or otherwise shall accrue to a third party as a result of this Agreement or the performance of CONTRACTOR’s services hereunder.

Section 10.16: Construction Contractor’s Means, Methods and Safety

CONTRACTOR shall not be responsible for the means, methods, techniques, sequences, or procedures of construction selected by construction contractors or the safety precautions and programs incident to the work of construction contractors and will not be responsible for construction contractors’ failure to carry out work in accordance with the contract documents.”



Jeff Weishaar, PE

Project Manager / Vice President

Appendix

Resumes



Jeffrey A. Weishaar, PE

Jeff Weishaar, a civil and environmental engineer with Carollo Engineers, has worked on various wastewater projects, including elements of analysis, design, and construction.

Education

MS Environmental Engineering, University of Missouri, Rolla, 2006

BS Civil Engineering, University of Missouri, Rolla, 2004

Licenses

Civil Engineer, California

Professional Affiliations

American Society of Civil Engineers

Society of American Military Engineers

Water Environment Federation

Relevant Experience

→ Project manager and process mechanical lead for the San Elijo Joint Powers Authority (SEJPA), California, San Elijo Water Reclamation Facility Plan Update. The purpose of this Facility Plan Update was to provide SEJPA with a planning document that identified and prioritized potential improvements at the San Elijo WRF. Projects were identified based on a comprehensive condition assessment of the installed assets, a review of regulatory issues and potential changes, and potential process enhancements. Additional work was performed to update the Wastewater Asset Management database previously prepared for SEJPA.

→ Project engineer for the Coastal Treatment Plant Return Activated Sludge (RAS) System and Headworks Upgrades for the South Orange County Wastewater Authority, California. Preliminary design included identification of reliable rotary drum screen manufacturers for raw wastewater screening including customer surveys, site visits, cost estimating, and detailed review of manufacturer specifications. Plans and specifications were prepared for replacement of the existing drum screens, replacement of the headworks influent force main knife gate valves, and other minor modifications to the headworks building. The plans and specifications also included design improvements to the return activated sludge system as previously identified in the RAS Flow Control Analysis. He provided construction management services, submittal review, and responses to contractor requests for information.

→ Project engineer for the Coastal Treatment Plant Aeration Blower Capacity Analysis for the South Orange County Wastewater Authority, California. The plant operates two sets of aeration basins with different depths, air demands, and blower discharge pressures. The study involved analysis of the existing blowers, plant flows, aeration basin loading, and dissolved oxygen levels to determine the air demands for

the various configurations of aeration basin operation. Blower upgrade alternatives were developed and analyzed for life-cycle costs based on capital and annual costs for power and cooling water consumption. Installation of turbine blowers was recommended to allow better control of air delivery to the aeration basins.

→ Project manager for the Elsinore Valley Municipal Water District, California, Regional WRF Program Management project. The project included administration building rehabilitation – office/laboratory/staff breakroom/storage room.

→ Project manager for the Water Reclamation Plant Expansion for the City of San Clemente, California. The preliminary and final design project will increase plant recycled water production capacity from 2.2 to 4.4 mgd. Preliminary design responsibilities included process evaluation of disinfection processes and flow balancing to evaluate on-site storage of secondary effluent prior to tertiary treatment. Final design responsibilities included civil and yard piping, mechanical and process design for drawing production, specification preparation, and cost estimating.

→ Project engineer for the Regional Treatment Plant Headworks Upgrade for the South Orange County Wastewater Authority, California. The project involved production of drawings and contract documents for replacement of the headworks building roof; rehabilitation of the existing mechanical bar screens; installation of new conveyors, screenings dewatering equipment, level measurement equipment in the existing channels for bar screen controls, and gas analyzers; channel concrete repair; odor control; and electrical and instrumentation modifications and upgrades. Roof replacement also incorporated a temporary odor control system with focus on the contractor's responsibility in capturing odors. He

Jeffrey A. Weishaar, PE

provided construction management services, submittal review, and responses to contractor requests for information.

→ Project manager for the Coastal Treatment Plant Export Sludge Equalization Basin Design-Build Project for the South Orange County Wastewater Authority, California. The project included preliminary design of a sludge holding tank, export pumping station, and electrical building for storage and pumping of the Coastal Plant's primary and thickened sludges. The sludges are pumped approximately 4 miles to a nearby facility for processing. Preparation of the design-build procurement package included development of plans and specifications to a 60-percent completion level, preparation of the design-build agreement, agreement forms, and the request for proposals. Bids were received and evaluated from multiple design-build teams. Carollo is currently operating as the Owner's representative in overseeing the final design and construction and providing inspection services.

→ Project engineer for the J.B. Latham Wastewater Treatment Plant Digester 3 Repairs for the South Orange County Wastewater Authority, California. The project included delivery of a preliminary design report analyzing the necessary repairs to the digester's mechanical appurtenances and instrumentation to improve safety and operations reliability. Drawings and specifications were prepared for concrete repair and recoating, piping and valve modifications, and instrumentation upgrades.

→ Project engineer for the Digester Gas Alternative Uses Evaluation for the South Orange County Wastewater Authority, California. Two treatment plants currently use engine generators to provide beneficial use of digester gas. This project evaluated existing and new technologies that would allow the plants to continue to utilize biogas under new, more stringent air quality emissions standards. The project recommended installation of new low emissions engine generators.

→ Project engineer for the J.B. Latham Wastewater Treatment Plant Digester Capacity Evaluation for the South Orange County Wastewater Authority, California. The project included analysis of digester performance and operations to determine digester capacity for select goals. These included Class B biosolids, gas production for cogeneration, process stability, and emergency storage.

→ Project engineer for the Water Reclamation Plant Headworks Upgrades for the City of San Clemente, California. The design included drawings and contract documents for concrete repair and relining of the headworks influent channels and grit basins and replacement of mechanical bar screens. Relining of channels required design of a temporary bypass facility, including manual bar screens and odor control, with focus on the contractor's responsibility to maintain and operate the facility. He provided construction management services, submittal review, and responses to contractor requests for information.

→ Staff engineer for the Aeration Header Replacement for the Montecito Sanitary District, California. The project involved evaluating and replacing the existing aeration header pipeline for the activated sludge process with stainless steel pipe and fittings to reduce corrosion. Drawings, bid documents, and specifications were prepared, submitted, and are currently being reviewed for approval.

→ Staff engineer for the Wastewater Treatment Plant Upgrade for the City of Santa Maria, California. Detailed cost estimates were updated for the addition and replacement of multiple processes within the treatment plant. Construction of a new digester and trickling filter were estimated along with replacement of the existing sludge drying beds. An estimate for new percolation ponds was developed including size and location of the ponds and grading of the existing land.

→ Project manager for the Encina Wastewater Authority, California, Solids Thickening Project for the Encina Water Pollution Control Facility.



Khalil Kairouz, PhD, PE

Dr. Khalil Kairouz, an associate, has experience in planning, process design, and construction services for conventional and advanced water and wastewater treatment projects. His design projects include pump stations; ion exchange, demineralization, odor control, and chemical feed facilities; boilers; heat exchangers; blowers; emergency standby generators; compressor facilities; pressure vessels; emergency chlorine scrubber systems; heating, ventilating, and air conditioning systems; tertiary filtration; and reverse osmosis.

Education

PhD Engineering and Industrial Applied Mathematics, Claremont Graduate University, 2003

MS Mechanical Engineering, University of Louisiana, Lafayette, 1988

BS Mechanical Engineering, University of Louisiana, Lafayette, 1987

Licenses

Mechanical Engineer, California, Kansas, Colorado

Professional Engineer, Florida

Certification

Certificate, Managing Energy in Water and Wastewater Systems, University of Wisconsin, Madison, 9/30/08

Certified, Energy Manager, Association of Energy Engineers, 12/31/09

Certified, Green Building Engineer, Association of Energy Engineers, 12/31/09

LEED Accredited Professional, Green Building Certification Institute, 10/21/08

Professional Affiliations

American Society of Heating, Refrigeration, and Air Conditioning Engineers

Relevant Experience

→ Lead engineer for the Southpark Pump Station project for the Orange County Public Facilities and Resources Department, California. Assisted in the design of a flood control pump station that consisted of three 1,200-hp dual-gas fuel, engine-driven, axial mixed flow pumps with a total capacity of 300 mgd. Also witnessed and supervised factory and field testing, and assisted in start-up of the pumps.

→ Lead design engineer for the Orange County Sanitation District, California, Headworks Replacement, P2-66. Designed the 183,000-cfm foul air odor control facilities, which include two-stage treatment systems consisting of biotowers followed by chemical scrubbers with associated sodium hypochlorite and caustic feed equipment. This project received the California Water Environment Association's 2005 Engineering Research of the Year award.

→ Lead design engineer for the Miscellaneous Improvements Projects for the Orange County Sanitation District, California. This project included planning, design, and construction services for approximately 150 different improvements or modifications to the treatment plant. He designed and assisted in start-up of Chemical Packed Tower Scrubbers 9 and 10, which treat 20,000 cfm of foul air from the metering and diversion structure at Plant No. 1. The work also included modifications to the ventilation system at the metering and diversion structure. This included adding a low point exhaust system, upgrading the classification of the area from a permit-required confined space to a non-permit required confined space, and meeting NFPA 820 requirements and local, state, and federal codes. The work included sodium hypochlorite and caustic chemical feed systems.

→ Lead odor control and HVAC engineer for the Eastern Municipal Water District, California, San Jacinto Valley Regional Water Reclamation Facility Title 22 Tertiary Treatment Upgrades. The project included an evaluation of the best available odor control technologies for treatment of foul air from the new 45-mgd headworks and solids handling facilities. The odor study recommended a centralized biological odor control system and resulted in design of an in-ground biofilter unit with a treatment capacity of 70,000 cfm.

→ Odor design engineer for the Eastern Municipal Water District, California, Perris Regional Water Reclamation Facility (RWRF) Expansion Plant 3, Temecula RWRF Expansion to 12 mgd, and Moreno Valley RWRF 2006 Expansion projects. Each project included a detailed study of odor characterization and best-available odor technologies. Subsequently, final designs included biological in-ground biofilters with a system capacity ranging from 30,000 to 80,000 cfm.

→ Lead design engineer for the Perris Valley Regional Water Reclamation Facility Plant 3 Expansion project for Eastern Municipal Water District, California. The project included expansion of the treatment facilities, including new Plant 3 nitrification-denitrification secondary treatment as part of an expansion from 8 mgd to 22 mgd. Responsible for design of aeration basins, chemical feed facilities, and aeration blower facilities.

→ Project manager for the Pellisier Well-head Treatment Design project for the City of Chino Hills, California. The project focused on determining nitrate removal treatment requirements at the existing Pellisier Well, and a proposed alternative well site, to develop it as a drinking water supply. The project involved determining the appropri-

Professional Affiliations

American Society of Mechanical Engineers

California Water Environment Association

Water Environment Federation

Khalil Kairouz, PhD, PE

ate location for a new well, estimating potential water quality issues from the chosen well site, evaluating various wellhead treatment and disinfection alternatives (including ion exchange and membrane treatment) and recommending the most suitable technology for the proposed location. The project included evaluation of various options for brine disposal and development of preliminary engineering analysis and costs for construction of the new well, design and construction of the recommended treatment facilities, and design and construction of all required pipe work. The project also included a 36-pounds-per-day on-site hypochlorite generation system with associated chemical feed and telemetry equipment.

→ Lead design engineer for the Water Reclamation Plant expansion project for the City of San Clemente, California. Designed the plant-wide high-pressure air system. The design consisted of three, 75-hp each, multi-stage air compressors that supply plant and instrument air, with an air receiving tank, two refrigerated dryers, air filters, and associated instruments and controls. In addition designed three, 10-hp each, multi-stage tank mounted compressors to act as a secondary source of air for the tertiary filter, the headworks building, and the return activated sludge/waste activated sludge pump station.

→ Lead design engineer for the Wastewater Treatment Plant No. 3 Expansion project for the City of Bakersfield, California. Responsibilities included design of two 70-foot diameter digesters with associated sludge heating system, a 32-mgd influent wastewater pump station consisting of three vertical dry pit submersible pumps with variable frequency drives, a 12-mgd filter effluent pump station consisting of three vertical turbine pumps, a 10-mgd digester sludge mixing pump station consisting of three horizontal axial flow pumps, and a 1.5-mgd pump station consisting of three progressive cavity pumps.

→ Project manager for the pump station and water distribution expansion project for the Padre Dam Municipal Water District, California. The project included hydraulics and surge/control studies for several water distribution pipelines with capacities totaling 32 mgd, upgrading and expanding four pump stations with eight vertical turbine pumps, each pump with a 600-hp motor and associated control valves, piping systems, and controls. The project included a bulk liquid sodium hypochlorite disinfection facility with associated equipment and SCADA controls.

→ Design engineer for the Tertiary Effluent Pump Station Expansion as part of the facility expansion project for the Eastern Municipal Water District, California. The existing effluent pump station has three electrical pumps and one natural gas engine-driven pump. Designed the new effluent pump station with an 800-hp natural gas engine-driven pump with the capacity to expand the system to four engine-driven pumps. The pumps are vertical turbines designed for an operating pressure of 191 psi. This effluent pump station distributes water to a district-wide network of pipes that supply reclaimed water for recreational and irrigation use.

→ Lead design engineer for the Inland Empire Utilities Agency, California, RP-5 Expansion and Modification. The design included two biofilter odor control facilities with a total capacity of 90,000 cfm. Responsible for design of three Turblex single-stage centrifugal blowers, each with a 500-hp motor. The blowers are designed to operate with most open valve, dissolved oxygen, and pressure controls.

→ Lead design engineer for the City of Benicia, California, Wastewater Treatment Plant Improvement. Responsible for design of a 17,000-cfm odor control facility with a two-stage packed tower absorber scrubber system followed by a catalytic activated carbon adsorber system; chemical feed facilities consisting of sodium hypochlorite, sodium hydroxide, and ferric chloride systems; and foul air odor ventilation system.



Education

BS Mechanical Engineering, San Diego State University, 2017

Licenses

Mechanical Engineer, California

Benito C. Gutierrez, PE

Benito Gutierrez has six years of experience in mechanical engineering with a focus on design and hydraulic modeling. He has worked on several projects including developing equipment pre-procurement documents and preparing preliminary design reports and drawings. His relevant experience follows.

Relevant Experience

→ Project engineer for the Santa Barbara, California, El Estero Water Resource Center Secondary Treatment Process Improvements Project, Primary Sludge Pump No. 3. Benito was responsible for engineering services during construction (ESDC). This included, but was not limited to, reviewing requests for information (RFIs) and submittals, as well as developing as-built drawings.

→ Assistant project engineer for the City of Santa Barbara, California, Braemar Lift Station Rehabilitation Project. The project includes design and construction phase services for upgrades to address aging mechanical, electrical and control system infrastructure, structural improvements to address new building code and flood plain requirements and bypass pumping during construction. Benito was the project engineer and responsible the process mechanical design of the project. He was responsible for attending project meetings, gathering information, and developing the design criteria. He was also responsible for developing a preliminary design report, project drawings, and technical specifications.

→ Project engineer for the Oak Park Water System Hydraulic Model Development, Triunfo Sanitation District, California. Carollo developed the District's water system hydraulic model for the Oak Park Water System. Hydraulic and age-based analysis was used to develop a prioritized CIP with recommendations for R&R projects.

→ Current project engineer for the Encina Wastewater Authority, California, Solids Thickening Design Project. The project includes preliminary and final design of the RDT-based solids thickening facilities in an existing dewatering building, which is currently still in progress. Benito was responsible for reviewing the client's flow and loading data to develop the design criteria for the new rotary drum thickeners. He was also responsible for developing the equipment

pre-procurement document, which included manufacturer installation information, facility visits and questionnaires, reviewing proposals, and piloting. He also developed several 3D Sketchup models of the new solids thickening facility for the client during the preliminary design. He has currently developed the 30-percent package, which included a preliminary design report and drawings.

→ Hydraulic modeling with InfoWater for the Rincon del Diablo Water District for the Rockhoff Pump Station design. The Rockhoff area is a small area of housing that demands a specially designed pump station to supply water to the area. The project involved analysis of current area hydraulic model and several different pump station flow scenarios for system analysis. The analysis of the system allowed for the proper sizing of pumps for the Rockhoff Pump Station and to satisfy the various flow conditions.

→ Construction oversight and recording for the Mission Gorge Trunk Sewer replacement for the City of San Diego. The Mission Gorge sewer replacement was an emergency design build for the City and consisted of the replacement of one thousand feet of sewer pipeline. The sewer backfill was not compacted properly and led to bending and sagging in the pipeline and dips in the road that would have possibly given away to sinkholes. As overseer of construction, multiple trips were made out into the field to observe and record pipeline installment, photographs, and field notes were taken.

→ Project engineer for the As-Needed Civil Engineering Services contract, Padre Dam Municipal Water District, California. Carollo provides as-needed engineering support services to the District for projects ranging from planning studies, hydraulic modeling, and infrastructure design. The District was looking to replace the master meter and

Benito C. Gutierrez, PE

meter vault for Grossmont College. Primary tasks were locating nearby utilities and vault design.

→ Assistant engineer for the Elsinore Valley Municipal Water District, California, Regional Water Reclamation Facility Program Management. The project included the development of design build procurement documents for the expansion of the Horse Thief Canyon Water Reclamation Facility. Benito was responsible for writing the technical narrative for the mechanical and heating, ventilation, and air conditioning requirements as part of the procurement documents.

→ Assistant engineer for the Elsinore Valley Municipal Water District, California, Regional Water Reclamation Facility Program Management. The project included the development of design build procurement documents for the expansion of the Horse Thief Canyon Water Reclamation Facility. Benito was responsible for writing the technical narrative for the mechanical and heating, ventilation, and air conditioning requirements as part of the procurement documents.

→ Project engineer for the Encina Wastewater Authority, California, Land Outfall Rehabilitation Project. The project included emergency rehabilitation of the facility's 84-inch land outfall. The project also included ESDC and Inspection Services. Benito was responsible for preparing drawings and specifications for the rehabilitation of the outfall, as well as writing the inspection report. The inspection led to additional rehabilitation to the land outfall pump station where drawings, specifications, and ESDC was provided.

→ SketchUp Design for the expansion of the Encina Wastewater Treatment Plant (Encina) in Carlsbad, California. Encina serves over 400,000 residents and 600 businesses in a 125 square mile radius. Encina was looking to make expansions of certain facilities as part of their master plan. Responsibilities included assisting the project engineer in developing SketchUp 3D models of the facilities and future alternatives for alignments and client review.

→ Team member of a senior design team project on a Respiratory System Simulator (RSS) for the Mechanical Engineering Department at San Diego State University. The project involved in depth research of the human lungs and various breathing complications. The RSS was developed using SolidWorks™ 3D modeling software and use of the on campus machine and fabrication shop, including 3D printing. The project lasted two semester and included monthly progress meetings, project schedule, and professor comment reviews.



Education

BS Mechanical Engineering, University of California, Irvine, 1998

Licenses

Mechanical Engineer, California

Professional Affiliations

American Society of Mechanical Engineers

Juan R. Loera, PE

Juan Loera is a principal mechanical engineer with Carollo with more than 19 years of experience designing mechanical systems for municipal wastewater treatment facilities. He has worked on a number of different wastewater projects in various aspects of analysis, design, and construction of digester gas system projects. Juan has extensive knowledge in the design of large blowers, compressors, and pumping systems associated with water and wastewater treatment facilities and the HVAC systems necessary for process and electrical buildings. He has evaluated, analyzed, and developed approaches for combining existing digester gas systems with new plant expansions; combined multiple blower facilities to operate as a common system; and designed new digester gas piping systems to replace old poorly performing corroded piping systems. A summary of his relevant experience follows:

Relevant Experience

→ Design engineer for design of the San Jacinto Valley Regional Water Reclamation Facility Plant 2 Facilities and Title 22 Tertiary Treatment Upgrade for the Eastern Municipal Water District, California. The project included planning, preliminary design, final design, and construction services for a comprehensive plant expansion to 14 mgd. In addition to solids handling facilities, the project included a new headworks; primary, secondary, and tertiary treatment; and effluent pumping. Solids processes included a new waste-activated sludge (WAS) thickening building, two new anaerobic digesters with provisions for two-phase digestion, a sludge storage tank, digester gas storage and compression facilities, evaluation of co-generation, and dewatered sludge truck loading hopper. His responsibilities included designing the new 18-mgd headworks facility, aeration blowers, digester gas handling system, and utility water and effluent pump stations. His responsibilities also included designing the HVAC and odor control systems and leading the design of the tertiary effluent storage ponds. His responsibilities included designing a new aeration air system with high-speed single-stage turbo blowers and incorporating the existing engine-driven multi-stage blowers into one common system. All aeration air system components from both plants were designed to be controlled from the new master control panel and operate as one system.

→ Project engineer for the \$138 million Orange County Sanitation District, Headworks Rehabilitation and Expansion at Plant 1 (P1-105). This project will expand the capacity at

Plant 1 from 280 mgd to 320 mgd. The project includes comprehensive rehabilitation and expansion of influent flow metering and diversion; bar screens; screenings handling; influent pumping; grit handling; primary flow splitting and metering; odor scrubbers; and electrical buildings. Construction sequencing to maintain headworks in service during construction.

→ Project manager and mechanical discipline lead for design of the North Air Header Replacement Project for the Clark County Water Reclamation District, Nevada. The project included field inspection of the air piping to identify the condition of the pipe and determine the cause of the air leakage. The field investigation revealed corrosion of the mechanical couplings and failure of the coupling gaskets due to heat stress and expansion/contraction of the steel pipe. The project replaced the existing 54-inch and 36-inch buried air headers with new aboveground, stainless steel air headers and replaced an existing blower with a new single-stage electric-motor-driven 900-hp blower with a capacity of 16,000-scfm. The modifications included design of a new main discharge header in the blower room to replace the existing buried main discharge header to allow for future replacement of the other 800-hp blowers without a plant shutdown.

→ Mechanical discipline lead for design of the Central Plant South Secondary Treatment Facilities Phase 2 for the Clark County Water Reclamation District, Nevada. The project included design for a 40-mgd advanced secondary treatment expansion designed for biological nutrient removal.

Awards

OCS D Plant No. 2
Headworks Replacement
Project, P2-66

- Engineering Research Achievement Award, California Water Environment Association, 2005
- Engineering Research Achievement Award, Santa Ana River Basin Section of the California Water Environment Association, 2005

Open for Quote

"Mr. Loera is always the professional and has exceptional problem solving skills. His approach to problem solving is conducted with mutual respect for those he is dealing with, including operations, maintenance and engineering staff. He is accurate and truthful in his assessment of issues and listens to suggestions for a solution. He understands the importance of a prompt response and values concise answers."

- Bruce Mitzel, CM Manager, Eastern Municipal Water District

Juan R. Loera, PE

Facilities included aeration basins, secondary clarifiers, return-activated sludge/waste-activated sludge (RAS/WAS) pump station, blower building, electrical building, chemical feed facilities, yard facilities, miscellaneous piping, and HVAC systems.

→ Design engineer for a high-speed turbo-blower system design engineer for the Post Point Wastewater Treatment Plant Expansion project for the City of Bellingham, Washington. The project increased the plant capacity from 25,000 pounds per day influent biochemical oxygen demand (BOD) to 40,000 pounds per day and 22 mgd. The project included the addition of chemically enhanced primary treatment, primary effluent pump station modifications, an anaerobic selector basin, new aeration basins, and rehabilitation and conversion of existing aeration basins from high-purity oxygen to diffused air, new blower building with standby generator, secondary clarifier, return activated sludge (RAS)/waste activated sludge (WAS) pump station and plant water pump station modifications. His responsibilities included evaluating various high-speed single-stage turbo blowers and designing a mixed-sized high-speed turbo blower system; automated blower controls; an intake air system; and a heating, ventilation, and air conditioning (HVAC) system.

→ Design engineer for the Influent Pump Station as part of the Plant No. 2 Headworks Replacement for the Orange County Sanitation District, California. The pump station was designed to convey a peak wet weather flow of 340 mgd with five pumps in service and two pumps as standby. The pump station consisted of a split wet well, vertical non-clog centrifugal pumps with composite drive shafts, 700-hp medium voltage vertical motors with variable frequency drives, and a 20-ton overhead bridge crane system. The design also included a physical hydraulic model study of the wet well and pump intake piping to ensure acceptable hydraulic conditions existed at the pumps and a computational fluid dynamics (CFD) model study of the pump station discharge channel. He also designed the ventilation and foul air collection systems for the 11 structures (including layout, air changes, flow rates,

pressure loss, louvers, registers, balancing/backdraft tamper, building/yard ducting, condensate drains, booster fans, and pressure gauges). The project received the 2005 Engineering Research Achievement Award from the California Water Environment Association.

→ Project engineer for the Orange County Sanitation District, California, 2017 Facilities Master Plan. This Master Plan develops a 20-year capital improvement plan for OC San's treatment plant and collection system sewers and pump stations. Over the 20-year planning period, numerous OC San treatment facilities and collection system sewers and pumping facilities will need rehabilitation or replacement, with a total capital expenditure of approximately \$5 billion. This Master Plan identifies the rehabilitation/replacement needs and develops a preliminary Scope of Work and planning level cost estimate for each project.

→ Lead design engineer for the Aeration Blowers Facility at the South Secondary Treatment Facilities for the Clark County Water Reclamation District, Nevada. The mixed-sized blower system design included two blowers with a 1,000-hp electric motor and 15,500-scfm capacity, and two blowers with a 500-hp electric motor and 7,750-scfm capacity; completely automated blower and dissolved oxygen (DO) control system; intake air filtration system; suction and discharge silencers; overhead bridge crane system; HVAC system; and acoustical treatment.

→ Construction management services during construction of the \$35 million Secondary Treatment Expansion at Plant No. 1 for the Orange County Sanitation District, California. The project included new high-efficiency blowers, retrofit of 10 existing aeration basins, 10 new secondary clarifiers, 3 new dissolved air flotation (DAF) units, rehabilitation of existing DAF units, and rehabilitation of the return activated sludge/waste activated sludge (RAS/WAS) pumping plants. The project also included programmable logic controllers (PLCs) and monitoring of the above treatment processes.



Matthew Esquer, PE

Mathew Esquer, a structural engineer with Carollo Engineers, specializes in wastewater and water treatment plant design and engineering services during construction. He has assisted with design of wastewater treatment facility structures in accordance with current standards and building codes. He has also worked on seismic evaluations of structures and design of retrofit and rehabilitation projects. He has reviewed structural shop drawings and responded to requests for information (RFIs) in regard to construction issues. His experience includes:

Education

BS Civil and Environmental Engineering, University of California, Berkeley, 2015

MS Civil and Environmental Engineering, University of California, Berkeley, 2017

Licenses

Civil Engineer, California

Relevant Experience

→ Design structural engineer for the 250-mgd San Francisco Public Utilities Commission, California, Southeast Plant Headworks. Design responsibilities included new headworks building with influent junction area, mechanical and electrical rooms, fine screen and screenings handling areas, grit tank and handling buildings. The structure is an above-grade concrete structure two to three stories tall. Some of the structural challenges include irregular shear wall distribution, multiple transfer girder conditions, poor soil conditions, soil structure interaction analysis, and corrosion potential of soil.

→ Design structural engineer for the J. B. Latham Package B rehabilitation project for the South Orange County Wastewater Authority J. B Latham Treatment Plant in Dana Point, California. The project included rehabilitation of various structures throughout the plant. Design responsibilities included concrete repair and coating of influent and effluent channels and clarifiers, repair of DAF Tanks and replacement of the DAF mechanisms, addition of wall anchorage and replacement of roofing at Digester Control Buildings and various safety improvements throughout the plant.

→ Design structural engineer for Orange County Sanitation District PS15-06 Seismic Evaluation of Structures at Plants 1 and 2. The project included seismic evaluation of 60 structures across two plants using ASCE 41-13 procedures for existing structures. Based on the identified seismic vulnerabilities, retrofit options were evaluated for each structure.

→ Design structural engineer for the RP-4 Primary Clarifier and Process Rehabilitation Project for the Inland Empire Utilities Agency RP-4 Plan in Rancho Cucamonga,

California. The project included rehabilitation of various structures throughout the plant. Design responsibilities included concrete repair and coating of concrete wastewater structures, design of new walls, above grade piping and support structures, repairs of steel equipment support structures, and design of new aluminum platforms and walkways to provide additional access to existing structures.

→ Design structural engineer for the Mojave River Pipeline Traveling Screen Project for the Mojave Water Agency located in Victorville, California. This project involved design on a new CMU Equipment building, new access platform extending over the aqueduct, and modification of a California Aqueduct turnout siphon that the agency utilizes to draw water from the aqueduct. The project required all modifications to be completed without impacting the flow in the aqueduct or damaging the existing concrete channel lining.

→ Design structural engineer for the Terminal Island Water Reclamation Plant Advanced Water Purification Facility (AWPF) Ultimate Expansion Project for the City of Los Angeles, Bureau of Engineering. Carollo teamed with Walsh Construction on this design-build project. The structural design included a rectangular 2.1-million-gallon equalization tank that is elevated above grade and constructed with cast-in-place concrete walls, an elevated slab, columns, and a mat foundation. The tank is constructed over a site that has stone column ground improvements to mitigate the liquefaction potential. The design also included microfiltration and reverse-osmosis process slabs with large steel-framed canopies.



Sanjit Khanal, PE

Sanjit Khanal is an electrical engineer with experience in electrical manufacturing. His previous experience includes designing industrial induction heating systems. At Carollo, he has worked on multiple projects designing electrical systems for water and wastewater treatment plants.

Education

MS Electrical Engineering,
Youngstown State
University, 2017

BS Electrical Engineering,
Tribhuvan University,
Nepal, 2013

Licenses

Professional Engineer,
California

Certification

Engineer Electrical A
Category, Nepal
Engineering Council, 2015

Relevant Experience

→ Electrical design engineer for the City of Aurora, Colorado, Sand Creek Water Reuse Facility (SCWRF) Rehabilitation and Improvements. Project includes the design improvements to the facility's existing aeration blowers, secondary clarifiers, and mixed liquor recycle (MLR) pump in the east biological nutrient removal (BNR) reactor. Additionally on the Electrical side, the project also includes the design of relocation of an unused generator from the Wemlinger Water Purification Facility (WPF) and connection to the SCWRF electrical system to provide emergency backup power.

→ Electrical design engineer for the City of Greeley, Colorado, Nitrification Phase II Project. This CMAR project included addition of two new selector basins and one new aeration basin to increase plant capacity. The existing RAS pump station was upgraded from 70 to 115HP and the addition of a new MLR pumping station, 200HP was included. Other project elements included designing a new centrate treatment facility and upgrading the chemical storage facility. For the electrical distribution system for added load to the plant, a new electrical building was designed to be powered from a new 750KVA transformer.

→ Electrical staff professional providing construction support for the Denver Water, Colorado, 75-mgd North Water Treatment Plant. This greenfield project involves electrical, instrumentation and controls, security, and communications preliminary design for the new advanced water filtration facility in Denver, Colorado. The plant will initially treat 10-150 mgd with expansion capabilities of up to 250 mgd. The design includes integration of new technologies and design approaches to streamline future design projects for Denver Water and has accommodation for future unit processes such as ozonation, ultraviolet (UV) disinfection, and granular activated carbon (GAC) absorption.

→ Electrical design engineer for the Pasco County, Florida, Southeast WWTP Expansion. Project includes upgrading the entire facility, increasing the plant treatment capacity from 3 mgd to 6 mgd. Work includes extensive utility coordination to upgrade the existing service entrance transformer to incorporate added loads in the plant, adding new main switchgear, adding new backup generator 1000KW size, upgrading and adding new load distribution systems over entire plant as per new process upgrades.

→ Electrical staff professional providing construction support for the South Orange County Wastewater Authority, California, JB Latham Facility Plan Improvements – Phase 2 Biosolids Upgrades. Project included upgrading existing DAF thickeners and improvements to the existing digesters and energy recovery building. Electrical upgrades included improvements to the existing motor control centers, adding new motor control centers, and new distribution systems to accommodate process upgrade needs.

→ Electrical staff professional providing construction support for South Platte Renew, Colorado, Electrical Improvements Design and Construction. The scope of the electrical portion of the project included two low-voltage switchgear upgrades and replacements, and switchboards in Headworks Building, power and communication centrate valve vault, and a new pump station control panel.



John Lin, PE

John Lin has more than 30 years of experience in the field of instrumentation and control systems. He has expertise in preparing designs and specifications in instrumentation and control systems, coordinating design and construction activities, and monitoring consultant designs for compliance with engineering standards. John also has skills in Taylor ProWorx Plus, Schneider Electric Control Expert, Modicon Quantum PLC, Unity M580 PLC, and Wonderware InTouch.

Education

BS Electrical Engineering,
University of California
Irvine, 1989

Licenses

Control System Engineer,
California

Professional Affiliations

International Society for
Measurement and
Control

Relevant Experience

→ Instrumentation and control systems engineer for various wastewater and water treatment plant projects, Santa Ana, California, including the City of San Diego Point Loma Wastewater Treatment Plant Digester Upgrades and the Orange County Sanitation District's Plant 1 PL-36 PLC/MMI Programming Project. Responsibilities included programming wastewater treatment plant control operations using Modicon Quantum PLC. The systems being programmed included DAF, recycle pumps, TWAS pumps, and DAF polymer batching systems. John also programmed PLC I/O simulation software from SS technologies to test PLC programs. Performed point-to-point and functional testing of HMI/PLC programs and prepared design, specifications, P&ID, and cost estimates of instruments and data acquisition systems needed for the construction of wastewater treatment plants. Other tasks included oversight of contractor compliance to specifications, reviewing contractor's shop drawings, developing control strategies for operation of the wastewater treatment plant, and performing field equipment start-up and operator training.

Previous Experience

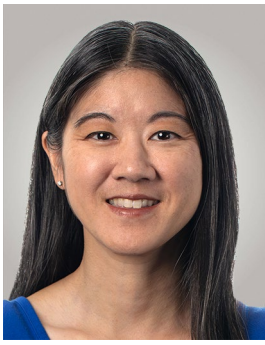
→ Senior engineer for the Orange County Sanitation District, California. Projects included the P1-105 Headworks Rehab at Plant 1, P2-66 Plant 2 Headworks Replacement, P2-92 Sludge Dewatering and Odor Control at Plant 2, J-117B Ocean Outfall System Rehabilitation, P1-36-2 Secondary Treatment Improvement, and P1-76 Trickling Filter Rehabilitation. John's responsibilities on these projects included:

- Assisted in the pre-design phase by reviewing project proposals and consultant's technical memorandums and control philosophy. Also developed scope of

work, staffing requirements, preliminary budget.

- Reviewed I/C design submittals, P&ID's, SCADA block diagrams, control strategies, PLC I/O lists, PLC I/O points loading, control panels and electrical schematics. John also attended project meetings and workshops and worked closely with consultants to ensure the design complied with District's Engineering Standards and met the need of operation.
- Assisted with construction by developing PLC/HMI programming according to control strategy, managing other programmer's progress to ensure quality work was completed on schedule, and providing technical advice to help resolve problems with the control strategy. In addition, he attended construction meetings and reviewed submittals for compliance with contract document.
- Reviewed/developed commissioning testing procedures and ensured a seamless transition between the new and existing SCADA system. John also conducted loop checks (ORT – Operational Readiness Test), Functional Acceptance Tests, and operator training.
- Responded to operation requests by adding an MSP restart button on HMI, adding/deleting equipment interlocks, evaluating alarms, and revising programming based on the change of processes.

→ Instrumentation and control systems engineer for various refinery projects, ARCO, Texaco, and Unocal, California. Responsibilities included developing P&ID, instrument index, and instrument data sheets.



Education

MS Mechanical Engineering, University of California, Los Angeles, 2006

BS Mechanical Engineering, University of California, Davis, 2005

Training

- HVAC Technical Development Program, Air Conditioning Distributors, 2008
- Pump & Pump Systems, American Trainco, 2010
- Simplified Acquisition Procedures, Management Concepts, 2014
- Specifications for Construction Contracts, US Army Corps of Engineers, 2015
- Business Writing, Management Concepts, 2016

Licenses

Mechanical Engineer, California

Certification

LEED Accredited Professional, Green Building Certification Institute, 3/31/2009

Cynthia A. Thung-Carter, PE, LEED

Cynthia Thung-Carter, a LEED-certified mechanical engineer, has provided design and construction support services for mechanical systems in water and wastewater treatment plant expansion and rehabilitation projects. Her specialized experience includes pump stations, renew-able energy, standby power, surge tank system, air compressor system, HVAC, odor control system, plumbing, and hot water heating system design. She is proficient in Bentley Navigator, RS Means, CHVAC, and EADOC. Previously employed by Carollo from 2002 to 2014, Cynthia has returned after serving as a project manager in the Civil Engineering Unit of the United States Coast Guard.

Relevant Experience

→ Mechanical engineer for the Temecula Valley Regional Water Reclamation Facility 18 mgd Expansion Capacity Project for the Eastern Municipal Water District, California. The project included a 1,000-kW diesel standby generator with a sub-base fuel storage tank and the design of a digester electrical building, including an HVAC system.

→ Design engineer for the East Canyon Water Reclamation Facility Expansion project for the Snyderville Basin Water Reclamation District, Utah. The project involves modifying and designing existing and new process areas to expand the 4-mgd treatment plant capacity to 7.2 mgd, including a new pump station, membrane building, and maintenance building. She was responsible for designing the HVAC systems for the Influent Pump Station and electrical room, utilizing a heat recovery system.

→ Design engineer for the San Jacinto Valley Regional Water Reclamation Facility Plant 2 and Tertiary Expansion projects for the Eastern Municipal Water District, California. The projects achieved a comprehensive plant expansion to 14 mgd and added new chemical facilities for ferric chloride, secondary and tertiary polymers, and aluminum sulfate. She was responsible for design of HVAC systems for electrical buildings and odor control systems for process areas. Her responsibilities also included design of the plumbing system for the Operations and Maintenance (O&M) Building.

→ Design engineer for the Santa Rosa Water Reclamation Facility Expansion project for Rancho California Water District, California. The project delivered plans and specifications for the expansion of the plant from a 5-mgd average dry-weather flow (ADWF)

sequencing batch reactor process to a 7 mgd (ADWF) conventional extended aeration activated sludge process with nitrification and denitrification. The project also added additional aerobic digesters by modifying existing batch reactor tanks and included upgrades to the existing headworks facility, new grit removal, and odor treatment. Her responsibilities included HVAC system design for the new electrical building.

→ Design engineer for the Moreno Valley Regional Water Reclamation Facility Preliminary Treatment and Acid-Phase Anaerobic Digestion (APAD) project for the Eastern Municipal Water District, California. The project involved modifying and designing existing and new process areas to expand the 12.6-mgd treatment plant capacity to 16 mgd. The project included implementation of two-phase digestion with a multi-cell acid-phase reactor, a methane-phase digester, digested sludge storage tanks, a boiler facility, and an acid-phase digester gas flare. The project also upgraded or expanded existing facilities including headworks, grit basins, influent pump station, odor control facility, secondary and tertiary effluent pump stations, and a number of electrical buildings. She was responsible for design of odor control and ventilation systems for the headworks and grit basins, HVAC systems for multiple electrical buildings, an instrument air compressor system, and construction cost estimates. She also provided construction support services including response to contractor's Requests for Information (RFIs) for the Boiler Facility and heat recovery for the digester gas system.

Cynthia A. Thung-Carter, PE, LEED

→ Mechanical engineer for the final design of the Headworks and Secondary Treatment Capacity Expansion Project – Phase 1 for the City of Turlock, California. Project elements included replacing an existing outdated headworks and pump station facility, a new blower building, electrical buildings, and aeration basins. She was responsible for the design of the HVAC systems at the bar screen facility, blower building, and electrical buildings as well as the process hot water heating system. HVAC systems were designed according to California Title 24 requirements. She is also currently providing construction support services including submittal review and response to contractor's Requests for Information (RFIs).

→ Mechanical engineer for the design of Moreno Valley Regional Water Reclamation Facility Dewatering Odor Control and Conveyance Replacement project for the Eastern Municipal Water District, California. The project included a new odor control facility and modifications to the existing sludge dewatering building including the replacement of belt conveyors with new screw conveyors. She was responsible for the design of the 11,000-cfm biofilter facility and ventilation modifications at the existing sludge dewatering building and influent splitter box.

→ Project engineer for the Pressure Control Hydroelectric Facility at the Maerle Reservoir project for the Carlsbad Municipal Water District, California. The project involved a new hydroelectric turbine to recover energy from high-pressure treated water and generate electricity. The project included the design of a new powerhouse to enclose the hydroelectric turbine and associated electrical and control equipment and modifications to the existing pressure-reducing station, electrical building, and piping to the existing 10-million-gallon storage tank and 200-million-gallon reservoir. The project also required coordination with the Federal Energy Regulatory Commission (FERC) for permitting of the hydroelectric turbine and the San Diego Gas and Electric (SDG&E) Company for interconnection.

→ Mechanical engineer for the Water Treatment Plants Rehabilitation Project for the City of Sacramento Department of Utilities, California. The project included \$114 million in upgrades to two plants—the Sacramento River Water Treatment Plant and E.A. Fairbairn Water Treatment Plant. She was responsible for the design of HVAC, plumbing, and process and building hot water heating systems for the Thickened Sludge Pump Stations, Dewatering Buildings, Flocculation/Sedimentation Basins, Filter Building, 160-mgd high service pump station, and several electrical and control rooms. Her responsibilities also included routing utilities throughout the various facilities.

→ Mechanical engineer for the Primary Effluent Pump Station as part of the PAR 1085 South Secondary Improvements Project for the Metro Wastewater Reclamation District, Colorado. The primary effluent pump station is designed to convey a peak wet weather flow of 269 mgd with five pumps in service and one pump as standby. The pump station consists of a splitter structure with two wet wells, vertical non-clog centrifugal pumps with composite drive shafts, 450-hp medium voltage vertical motors with variable frequency drives, and a 15-ton overhead bridge crane system. The design also includes a physical hydraulic model study of the wet well and pump intake piping to verify acceptable hydraulic conditions at the pump and a CFD model study of the wet wells and pump suction. She also designed the HVAC and plumbing systems for various process areas, electrical buildings, control rooms, and wet lab. Her responsibilities included routing utilities throughout the various facilities, natural gas piping layout for the HVAC units, design of an air compressor system including compressed air piping layout throughout the plant, and construction cost estimates. She is also providing construction support services including submittal review, response to contractor's Requests for Information (RFIs), and preparation of the Operations and Maintenance (O&M) Manuals.



Andre Gharagozian, PE

Andre Gharagozian, an associate with Carollo Engineers, has more than 22 years of experience as a consulting engineer in the water and wastewater field with an emphasis on wastewater treatment. He is a seasoned project manager with a wide range of experience. He has been responsible for facility and master planning; hydraulic and outfall analysis; process modeling, analysis, and design; construction-support services, and operational assistance and training on numerous projects.

Education

MS Civil and Environmental Engineering, University of California, Los Angeles, 1998

BS Physics, University of California, Los Angeles, 1993

Licenses

Civil Engineer, California

Professional Engineer, Washington

Professional Affiliations

California Water Environment Association

Water Environment Federation

Mr. Gharagozian's expertise is in secondary process analysis and modeling and nitrogen removal with an emphasis on trickling filter/activated sludge and activated sludge systems. Specific process design experience includes several types of aeration systems and activated sludge basin reactors, sequential batch reactors, clarifiers, microfiltration, cloth-media filtration, UV and chlorine disinfection, solids thickening, anaerobic digestion, and various chemical, storage, and conveyance facilities associated with treatment facilities.

During various planning and preliminary design efforts, Mr. Gharagozian has conducted Biowin process modeling and been responsible for plant hydraulic calculations for several projects and conducted outfall modeling using EPA model PLUMES. He has also participated or led studies ranging from a United Nations Environment Programme best management practices report for the wider Caribbean region, a recent Manual of Practice for the design of membrane bioreactors, comprehensive wastewater system master plans, and feasibility studies for evaluating various water or wastewater projects.

Relevant Experience

→ Process engineer for the Central Marin Sanitation Agency, California, Aeration Blower Replacement Project in San Rafael, California. Performed process modeling to estimate aeration requirements for a 10 mgd trickling filter/activated sludge process. Results were used to develop sizing criteria for replacing existing blowers with more efficient high-speed centrifugal units.

→ Project manager and process engineer for Feasibility Study to Provide Wastewater Collection and Treatment Service to Pinole and Hercules, West County Wastewater District, California. Evaluated the feasibility of bringing up to 4 mgd of wastewater from the Cities of Pinole and Hercules to the West County Water Pollution Control Plant (WPCP), which is a 12.5 mgd plant with a trickling filter/activated sludge process. The analysis developed costs for constructing necessary conveyance facilities and improvements to West County's WPCP. Developed and used plant process model to identify necessary improvements to the WPCP.

→ Process engineer for South San Francisco Facility Plan Update, City of South San Francisco, California. Primary responsibilities included preparing a plant performance and capacity assessment of the Water Quality Control Plant (WQCP). Prepared plant process model for the purpose of evaluating performance and capacity. The WQCP has a carbonaceous only activated sludge process with a rated capacity of 13 mgd.

→ Process engineer for the Marin #5 Sanitary District Plant Rehabilitation Project, California. Developed plant process model to estimate aeration requirements for a 1 mgd carbonaceous removal activated sludge process. Results were used to develop sizing criteria for replacing existing aeration equipment with more fine bubble diffusers and high-efficiency high-speed centrifugal blowers.

→ Project manager for the Biofloc Aeration System Upgrade Study for the Monterey Regional Water Pollution Control Agency, Monterey, California. Carollo evaluated replacing the existing aeration system, as well as various aeration system control strategies for this 29.6 mgd TF/SC plant. During the irrigation season, this facility generates Title

Andre Gharagozian, P E

22 water using dual-media filters. As part of the evaluation, developed a plant process model and evaluated process performance and oxygen demands for the TF/SC for multiple scenarios. The evaluation concluded that replacing the blowers and diffusers with newer, high efficiency units and implementing a DO control system would result in an energy reduction of approximately 25 to 35 percent.

→ Primary author of predesign report for Phase I improvements to an existing 8-mgd activated sludge wastewater treatment plant for the City of Aberdeen, Washington. Improvements included the addition of a selector basin, retrofit of the existing mechanical aerators with a fine-pore aeration system and a blower building, and a 100-foot-diameter secondary clarifier. The selector basin improves activated sludge settleability since the plant has a history of sludge bulking and a high sludge volume index (SVI). Evaluated several types of selector configurations (including type and number of stages) and recommended a three-stage anoxic/anaerobic selector with internal mixed liquor recycle based on performance and cost-effectiveness. Recommended internal recycle to provide flexibility for some nitrogen removal should the plant operate in nitrification mode. Also evaluated several different types of fine pore aeration systems including membrane discs and tubes, ceramic discs/domes, and panel diffusers. Recommended a design based on membrane discs due to high oxygen transfer efficiency, extensive design experience in the industry, and ease of maintenance compared to ceramic systems. Evaluated different types of aeration blowers including multi-stage centrifugal, single-stage centrifugal, and positive displacement blowers. Recommended design based on multi-stage centrifugal blowers with variable frequency drives to improve blower efficiency compared to using throttling valves. Also performed evaluations of plant hydraulics and secondary clarifier sludge removal mechanisms.

→ Primary author of predesign evaluations for a wastewater treatment plant upgrade for the City of Stanwood, Washington. Eval-

uated several types of oxidation ditch configurations and aeration systems including brush rotors, low-speed vertical turbine aerators, aspirating aerators, high-speed floating surface aerators, and diffused air. Recommended using low-speed vertical turbine aerators due to high oxygen transfer efficiency and overall cost-effectiveness. Also evaluated other systems including headworks processes (screening, grit removal, and odor control), secondary clarifier configuration, low-pressure ultra violet disinfection, and plant hydraulics.

→ Project manager for design of the City of Woodland, California, Aeration Retrofit Project. The City's wastewater treatment plant was rated for 10.4 mgd but had insufficient aeration capacity for the rated flow. In addition, the plant was facing other challenges, including nitrate limits in the future, ammonia breakthrough during high load periods, and a changing water supply that would reduce the wastewater alkalinity. Process modifications were needed to address these challenges. Managed the development of bid documents for improvements to increase aeration capacity and convert the oxidation ditch process to a Modified Ludzak-Ettinger (MLE) configuration. Led the process design and developed sizing and design criteria for the secondary process. Improvements consist of replacing brush rotors in the oxidation ditch with more energy efficient diffused air and fine bubble aeration with high-speed turbo blowers and partitioning the oxidation ditch and adding necessary mixers and mixed liquor recirculation pumping to convert to an MLE process. The MLE conversion will further reduce energy demands.

→ Process engineer for the design of improvements at the City of South San Francisco's WWTP including a new secondary clarifier, expansion of the RAS/WAS pump station, and incorporating anaerobic selectors into the existing aeration basins to improve sludge settleability. Improvements include making modifications to the aeration diffuser grid to accommodate the new selector compartments.

South Orange County Wastewater Authority
Coastl Treatment Plant
Aeration Blower System Upgrade

October 2024

Task No	Task Description	Project Manager	Technical Advisor/QA/QC	Lead Project Professional	Project Professional	Professional	Assistant Professional	Senior Technician	Technitian	Document Processing / Clerical	Total Hours	Labor Fee	Project Equipment and communication Expense [pece](per labor hour)	Other Direct costs (odcs)	Total Project Fee
	Hourly Billing Rate	\$310.00	\$310.00	\$274.00	\$242.00	\$204.00	\$180.00	\$205.00	\$172.00	\$149.00			\$15.00		
1.0	Project Management and Progress Meetings	46	0	12	12	12	32	0	0	0	114	\$28,660.00	\$1,710.00	\$1,200.00	\$31,570.00
1.1	Kick off Meeting	4		4	4	4	8				24	\$5,560.00	\$360.00	\$1,200.00	\$7,120.00
1.2	Progress Meeting	12		8	8	8	24				60	\$13,800.00	\$900.00		\$14,700.00
1.3	Project Management	30									30	\$9,300.00	\$450.00		\$9,750.00
2.0	Data Collection and Document Review	4		16	12	16	24				72	\$16,112.00	\$1,080.00		\$17,192.00
3.0	Basis of Design	12	120	28	32	128	56		12	24	418	\$98,168.00	\$6,270.00	\$1,200.00	\$105,638.00
3.1	Draft Report	4	80	20	24	80	32	4	8	16	268	\$63,988.00	\$4,020.00		\$68,008.00
3.2	Conceptual Design Workshop	4	4	4	2	2	8				24	\$5,908.00	\$360.00	\$1,200.00	\$7,468.00
3.3	Final Report	4	36	4	6	46	16	2	4	8	126	\$29,502.00	\$1,890.00		\$31,392.00
4.0	50% submittal	14	32	30	42	74	120	56	198	12	578	\$116,664.00	\$8,670.00	\$0.00	\$125,334.00
4.1	Design	8	32	24	36	56	78	56	198	12	500	\$100,476.00	\$7,500.00		\$107,976.00
4.2	Cost Estimate	4		4	4	16	36				64	\$13,048.00	\$960.00		\$14,008.00
4.3	Review Meeting	2		2	2	2	6				14	\$3,140.00	\$210.00	\$1,200.00	\$4,550.00
5.0	90% submittal	10	16	18	38	58	68	36	140	12	396	\$79,508.00	\$5,940.00	\$0.00	\$85,448.00
5.1	Design	8	16	16	36	56	52	36	140	12	372	\$74,568.00	\$5,580.00		\$80,148.00
5.2	Cost Estimate	2		2	2	2	16				24	\$4,940.00	\$360.00		\$5,300.00
5.3	Review Meeting	2		2	2	2	4				12	\$2,780.00	\$180.00	\$1,200.00	\$4,160.00
6.0	Constructability Workshop	2		2	2	4	4				6	\$3,188.00	\$90.00		\$3,278.00
7.0	Bid Set	4	4	4	8	8	40	16	80	8	172	\$32,576.00	\$2,580.00		\$35,156.00
8.0	Technical Specifications	8		16	16	24	56		12	32	164	\$32,544.00	\$2,460.00		\$35,004.00
9.0	Construction Sequencing	4	4	2	4	2	16				32	\$7,284.00	\$480.00	\$1,200.00	\$8,964.00
10.0	SoCal Ren Coordination	8	8	16		8	24				64	\$15,296.00	\$960.00		\$16,256.00
Total		104	176	128	166	326	416	108	442	88	1952	\$414,704	\$29,280	\$3,600	\$447,584.00

Agenda Item

6.B.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Roni Young Grant, Associate Engineer

SUBJECT: Contract Award for Coastal Treatment Plant (CTP) Auxiliary Blower Building Roof [Project Committee 15]

Overview

The roof of the Coastal Treatment Plant (CTP) auxiliary blower building, originally constructed in the 1980s, has deteriorated and requires replacement. The project scope includes replacing the existing pipe supports and penetrations, as well as installing a new roofing system.

Bids

SOCWA solicited bids from qualified contractors through PlanetBids on July 30, 2024, and met with potential bidders for a site walk. Three bids were received on October 3, 2024, and are summarized below in Table 1. The apparent responsive low bidder is Best Contracting Services.

Table 1- Summary of Bids

	Base Bid Item A -	Best Contracting Services	Chambers Inc.	SS Mechanical
1	Mobilization/Demobilization	\$3,000	\$5,000	\$7,800
2	Remove and dispose of existing pipe supports and penetrations	\$14,000	\$10,220	\$8,925
3	Repair pipe penetration and openings	\$22,000	\$25,000	\$6,500
4	Install new roofing system	\$79,434	\$83,780	\$89,060
5	All other items necessary to complete the work not in Items 1 through 4	\$5,000	\$1,500	\$19,550
	Total Contract Price	\$123,434.00	\$125,500.00	\$131,835.00

Cost Allocation

The cost allocation for the construction and contingency is shown in Table 2. Staff requests a contingency of \$16,566 for a total project budget of \$140,000.

Table 2 – Cost allocation by member agency (including contingency)¹

Agency	Percentage of Ownership	Auxiliary Blower Building Roof (35221L)
City of Laguna Beach	54.28%	\$75,992.00
Emerald Bay Service District	2.99%	\$4,186.00
South Coast Water District	42.73%	\$59,822.00
Total	100%	\$140,000.00

1. The updated allocations were based on the November 18th draft CTP capacity rights transfer final agreement (Agreement No.3).

Budget

The CTP Auxiliary Blower Building Roof (35221L) has a project budget of \$100,000, and funds have been collected through June 30, 2024. Staff requests an additional budget of \$40,000 for a total revised project budget of \$140,000 to cover the project contract and contingency.

Prior Related Project Committee or Board Action (s)

This item was reviewed and discussed by the Engineering Committee on November 14, 2024. The Engineering Committee agreed with staff's recommendation.

Recommended Action: The Engineering Committee recommends that the PC 15 Board of Directors i) add \$40,000 to the CTP Auxiliary Blower Building Roof budget, for a total amended budget of \$140,000, ii) approve a contract with Best Contracting Services for a total of \$123,430, and iii) approve a contract contingency of \$16,566 for unknown issues discovered during construction.

REQUIRED FORMS

BID FORM
PROPOSAL TO
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
FOR THE CONSTRUCTION OF: COASTAL TREATMENT PLANT AUXILIARY
BLOWER BUILDING ROOF IMPROVEMENTS

Name of Bidder: Best Contracting Services, Inc.

Business Address: 19027 S. Hamilton Ave. Gardena, CA 90248

Phone No.: (310) 328-6969

TO THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA)

The undersigned, as Bidder, hereby certifies and declares that:

Pursuant to, and in compliance with, the Notice Inviting Bids and the other documents relating thereto, the undersigned bidder, being fully familiar with the terms of the Contract Documents, local conditions affecting the performance of the Contract, the character, quality, quantities, and scope of the Work, and the cost of the Work at the place where the Work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, materials, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the Contract and complete, in a workmanlike manner, all of the Work required in connection with the construction of said Work all in strict conformity with the Plans and Specifications and other Contract Documents, for the prices hereinafter set forth.

The only persons or parties interested in this Proposal as principals are those named herein and that this Proposal is made without collusion with any person, firm, or corporation as set forth in more detail in the Noncollusion Affidavit executed herewith. Further, the undersigned proposes and agrees, if the Proposal is accepted, that he/she will execute a Contract with the SOCWA in the form set forth in the Contract Documents and that he/she will accept in full payment thereof the following prices to with:

SCHEDULE OF WORK ITEMS

BID ITEM A: For the work associated with the Coastal Treatment Plant (CTP) Auxiliary Blower Building Roof Improvements Project:

BID ITEM 1: Mobilization and demobilization, for the sum of

(\$ 3,000.00)

BID ITEM 2: Remove and dispose of existing pipe supports and pipe penetrations, per the plan, for the sum of

(\$ 14,000.00)

BID ITEM 3: Repair pipe penetration and openings per the plan, for the sum of

(\$ 22,000.00)

BID ITEM 4: Install new roofing system, approximately 1,800 SF, per the technical specifications, for the sum of

(\$ 79,434.00)

BID ITEM 5: All other items necessary to complete the work, that are not described in Bid Items A1 through A4, for the sum of

(\$ 5,000.00)

ITEM A PRICE (the sum of Items A1 through A5):

(\$ 123,434.00)

ADD/DEDUCT (List Bid Items Affected and Amount*):

Item No.	Add (+) Amount	Deduct (-) Amount
<u>N/A</u>	\$ <u>N/A</u>	\$ <u>N/A</u>
<u>N/A</u>	\$ <u>N/A</u>	\$ <u>N/A</u>
<u>N/A</u>	\$ <u>N/A</u>	\$ <u>N/A</u>
<u>N/A</u>	\$ <u>N/A</u>	\$ <u>N/A</u>
<u>N/A</u>	\$ <u>N/A</u>	\$ <u>N/A</u>

SUBTOTAL ADD (+)/DEDUCT(-) ITEMS:

(\$ N/A)

*Provision is made here for the bidder to include an addition or deduction in their Bid, if bidder wishes, to reflect any last-minute adjustments in price. The addition or deduction, if made, will be applied to the listed bid item.

TOTAL CONTRACT PRICE (Sum of Subtotal Sum Price and Subtotal Add/Deduct Items):

(\$ 123,434.00)

Total amount of bid (written in words):

One Hundred Twenty Three Thousand Four Hundred Thirty Four **Dollars**

Award of contract will be made to the lowest responsive, responsible bidder on the basis of the TOTAL CONTRACT PRICE.

Award of contract is based on the Total Contract Price noted above and is not impacted by the proposed cost of any additive bid item. SOCWA retains the right to include any additive bid item value in the overall project at the time of contract award.

Signature of Bidder:  **Sean Tabazadeh, CEO/Secretary**

Date: October 03, 2024

SEAN TABAZADEH

LIST OF SUBCONTRACTORS

The name, California Contractor's license number, registration number issued pursuant to Labor Code Section 1725.5, and location of place of business of each subcontractor who will perform work or labor or render service to the Bidder in or about the construction of the work or improvements in an amount in excess of one-half of one percent (.5%) of the Bidder's Total Contract Price, and the portion of the Work which will be done by each subcontractor is set forth as follows (attach additional sheets as necessary). Circumvention by the Bidder of the requirement to list subcontractors by the device of listing one subcontractor who will in turn sublet portions constituting the majority of the Work covered by this Contract shall be considered a violation of Chapter

4 of the California Public Contract Code and shall subject the Bidder to the penalties set forth in Sections 4110 and 4111 of said Code. Bidder shall conduct substitutions of subcontractors in compliance with Public Contract Code Sections 4106 et seq. detailing the process and conditions under which a public agency may consent to a subcontractor substitution. Except as hereinabove provided, bidder acknowledges and agrees that bidder will perform all required Work in accordance with Section 4106 of the Public Contract Code.

<u>Contractor's Name</u>	<u>Contractor's License & Registration Number</u>	<u>Place of Business</u>	<u>Type of Work</u>
PRFormance Contractors Inc.	# 808513 # 1000022124	341 E. Hermosa Dr. Fullerton, CA 92835	Plumbing, Concrete

LIST OF EQUIPMENT MANUFACTURERS (Not Used)

COMPANY DATA

Legal name of Bidder: Best Contracting Services, Inc.

Primary Contact: Shahram Safai, Project Estimator

Business address: 19027 S. Hamilton Ave.

Gardena, CA 90248

Telephone: _____
(310) 328-6969

Facsimile: _____
(310) 328-9176

Email: _____
estimating@bestcontracting.com

California Contractor's License:

Primary A,B,C17,C39,C43	Class:
License # 456263	No.:
Expiration May 31, 2026	Date:

Supplemental Classification held, if any: _____ N/A

The full names of all persons and parties interested in the foregoing Bid Form as principals are as follows (*NOTICE: Give first and last names in full; in case of corporation, give names of President, Secretary, Treasurer, and Manager, and in case of partnerships and joint ventures, give names of all the individual members, attached additional sheets as necessary*):

Moji Tabazadeh, President

Sean Tabazadeh, CEO/Secretary/RMO

Fatemeh Tabazadeh, Treasurer

PROPOSED CONSTRUCTION PROJECT SCHEDULE

Bidder has attached hereto a proposed construction progress schedule showing the sequence of activities for completion of the Work, in bar chart format. The proposed construction progress schedule includes major construction activities, major equipment procurement and delivery activities, working time limits imposed by permits, and substantial and final completion milestones, and identifies critical path tasks. The schedule is displayed in elapsed numerical days rather than calendar dates and equals the Contract Time. * See Attached Schedule *

ID	WBS	Task Name	Duration	Start	Finish
1		CTP Auxiliary lower Building and Maintenance Building Roof Reconstruction			
2	01	SUMMARY OF WORK	280 days	Thu 3/20/25	Wed 4/15/26
3	01.01	Structural	10 days	Thu 3/20/25	Wed 4/2/25
4	01.01.01	Mobilization	1 day	Thu 3/20/25	Thu 3/20/25
5	01.01.02	Load	1 day	Fri 3/21/25	Fri 3/21/25
6	01.01.03	Remove 2 sections of piping per drawing	1 day	Mon 3/24/25	Mon 3/24/25
7	01.01.04	Remove and Haul Away 12 Pipe Supports	1 day	Tue 3/25/25	Tue 3/25/25
8	01.01.05	Pour (N) Concrete	2 days	Wed 3/26/25	Thu 3/27/25
9	01.01.06	Install 7 New Pipe Support per Add.	4 days	Thu 3/27/25	Tue 4/1/25
10	01.01.07	Set up Temporary Pipe Supports	1 day	Wed 4/2/25	Wed 4/2/25
11					
12	01.02	Roofing	9 days	Thu 4/3/25	Tue 4/15/25
13	01.02.01	Mobilization	1 day	Thu 4/3/25	Thu 4/3/25
14	01.02.02	Load	1 day	Fri 4/4/25	Fri 4/4/25
15	01.02.03	Repair	2 days	Mon 4/7/25	Tue 4/8/25
16	01.02.04	Primer	1 day	Tue 4/8/25	Tue 4/8/25
17	01.02.05	Install 1.5" ISO	1 day	Wed 4/9/25	Wed 4/9/25
18	01.02.06	Install 1/2" DDP	1 day	Thu 4/10/25	Thu 4/10/25
19	01.02.07	LL Red Rosin	1 day	Fri 4/11/25	Fri 4/11/25
20	01.02.08	Base and Cap Ply	1 day	Mon 4/14/25	Mon 4/14/25
21	01.02.09	Flashing	1 day	Tue 4/15/25	Tue 4/15/25
22	01.02.10	Clean up	1 day	Tue 4/15/25	Tue 4/15/25

PROJECT: Project Name Activities Project Summary

Page 1

CLOSING STATEMENT & CERTIFICATIONS

The undersigned Bidder further certifies as follows:

The Total Bid Price requests sufficient funds to allow Contractor to comply with all applicable laws or regulations governing the labor or services to be provided under the Contract. Furthermore, Bidder hereby agrees to indemnify SOCWA for liabilities and penalties for violations of Labor Code Section 2810.

The cost for all labor, materials, equipment, taxes, freight, insurance and incidentals necessary for the Work is included in the Total Bid Price, including but not limited to sheeting, shoring, and bracing, or equivalent method for the protection of life and limb in trenches and open excavation in conformance with applicable safety orders.

The Bidder is, at the time of bidding, and shall be, throughout the period of the Contract, licensed by the State of California to do the type of Work required under the terms of the Contract Documents. Bidder further certifies that Bidder is skilled and regularly engaged in the general class and type of Work called for in the Contract Documents.

Bidder is not an ineligible contractor for the purposes of California Labor Code Section 1777.1 or 1777.7, and no subcontractor to be used for the performance of the Work is an ineligible contractor for the purposes of Labor Code Section 1777.1 or 1777.7.

Bidder is competent, knowledgeable and has special skills regarding the nature, extent and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work which may create, during the construction program, unusual or peculiar unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that Bidder is aware of such peculiar risks and that Bidder has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction Work with respect to such hazards.

Bidder acknowledges receipt of the following Addenda: 1, 2

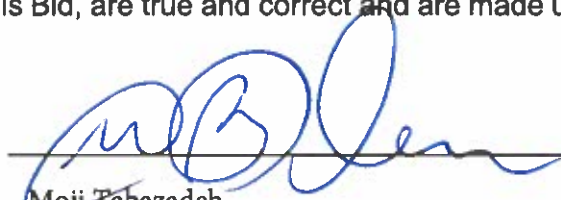
Bidder has attached hereto Bid security, in the form of a bond, cashier's check, or certified check, in an amount which is equal to (at least) ten percent (10%) of the total amount of the Bid, payable in lawful money of the United States to the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY.

Bidder is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for worker's compensation or undertake self-insurance in accordance with the provisions of that code, and will comply with such provisions before commencing the performance of the Work.

Bidder has inspected the site of the Work prior to submitting this Bid.

By signing below, the undersigned certifies that he/she has the legal authority to bind the Bidder and that all representations, certifications, and statements made by Bidder, as set forth in this Bid, are true and correct and are made under penalty of perjury.

Signature:



Moji Tabazadeh

Clearly printed name:

Position:

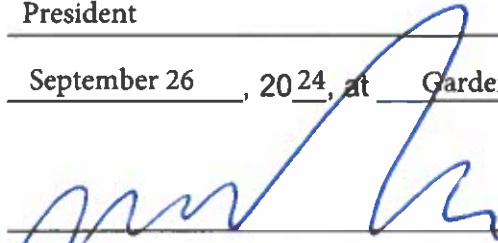
President

Date/Location:

September 26, 20²⁴, at Gardena, CA

Seal (if any):

Co-Signature:



Sean Tabazadeh

Clearly printed name:

Position:

CEO/Secretary

Date/Location:

September 26, 20²⁴, at Gardena, CA

NOTICE: Pursuant to the requirements of California Business and Professions Code, Section 7028.15(e), a bid submitted to the SOCWA by a contractor who is not licensed pursuant to Chapter 9, of Division 3, of the Business and Professions Code, shall be considered nonresponsive and shall be rejected as provided for by law.

*** SEE ATTACHED POCKET LICENSE ***



CONTRACTORS
STATE LICENSE BOARD
ACTIVE LICENSE



License Number **456263**

Entity **CORP**

Business Name **BEST CONTRACTING SERVICES
INC**

Classification(s) **C39 B A C43 C17**

Expiration Date **05/31/2026**

www.cslb.ca.gov



NONCOLLUSION AFFIDAVIT

To Be Executed by Bidder and Submitted with Bid
(Public Contract Code § 7106)

The undersigned declares:

I am the CEO/Secretary of Best Contracting Services, Inc., the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on September 25, 2024 [date], at Gardena [city], California [state].

BIDDER:

Best Contracting Services, Inc.

[Type full name of Bidder]

By: 

Sean Tabazadeh, CEO/Secretary

[Print name and title]

*** SEE ATTACHED NOTARY ***

CALIFORNIA ACKNOWLEDGMENT

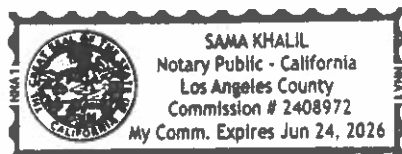
CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Los AngelesOn 9/25/24 before me, Sama Khalil, Notary Public
Date Here Insert Name and Title of the Officerpersonally appeared Sean Tabazadeh
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Place Notary Seal and/or Stamp Above

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Signature of Notary Public

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer – Title(s): _____☐ Partner – ☐ Limited ☐ General☐ Individual ☐ Attorney in Fact☐ Trustee ☐ Guardian or Conservator☐ Other: _____

Signer is Representing: _____

Signer's Name: _____

☐ Corporate Officer – Title(s): _____☐ Partner – ☐ Limited ☐ General☐ Individual ☐ Attorney in Fact☐ Trustee ☐ Guardian or Conservator☐ Other: _____

Signer is Representing: _____

BIDDER'S BOND

(At Least 10 Percent of the Total Contract Price)

We Best Contracting Services, Inc., as
Principal,
and The Hanover Insurance Company, as Surety,

jointly and severally, bind ourselves, our heirs, representatives, successors, and assigns, as set forth herein, to the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA") for payment of the penal sum of

10% of Amount Bid

Dollars (\$ _____).

lawful money of the United States, such amount representing at least ten percent (10%) of the amount of the Total Bid Price to obtain the award of a contract for CTP Auxiliary Blower Building Roof Improvements Project and to be paid to SOCWA, its successors and assigns, for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors or assigns, jointly and severally, firmly hereby.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal shall not withdraw said Bid within the period of time set forth in the Contract Documents, and shall within fifteen (15) calendar days after the prescribed forms are presented to the Principal for signature enter into a written contract with SOCWA in accordance with the Bid as accepted, and if the Principal shall give the required bonds with good and sufficient sureties for the faithful performance and proper fulfillment of such contract, and for the protection of laborers and materialmen, or in the event of the withdrawal of the Bid within the period specified, or the failure to enter into the Contract, and give such bonds within the time specified, if the Principal shall within sixty (60) days after request by SOCWA pay to SOCWA the difference between the amount specified in the Bid and the amount for which SOCWA may procure the required work, if the latter amount be in excess of the former, then the above obligation shall be void and of no effect, otherwise it shall remain in full force and effect.

Forfeiture of this bond, or any deposit made in lieu thereof, shall not preclude the SOCWA from seeking all other remedies provided by law to cover losses sustained as a result of the Principal's failure to do any of the foregoing and this bond shall not be a limitation on Principals' liability therefor.

Principal and Surety agree that if the SOCWA is required to engage the services of an attorney(s) in connection with the enforcement of this bond, each shall pay SOCWA's costs and reasonable attorney fees incurred with or without suit.

IN WITNESS WHEREOF,

Executed on September 23, 2024.

Best Contracting Services, Inc.

[CORPORATE SEAL]

Principal

By

Sean Tabazadeh

CEO/Secretary

Title

(ATTACH NOTARY ACKNOWLEDGMENT OF AUTHORIZED REPRESENTATIVE OF PRINCIPAL)

Any claims under this bond may be addressed to:

The Hanover Insurance Company

(Name and address of Surety)

5 Hutton Centre Dr. Suite 1060

Santa Ana, CA 92707

Global Risk, LLC

(Name and address of Surety's agent for service of process in California, if different from above)

200 Pier Avenue Suite 132
Hermosa Beach, CA 90254

(714) 415-3808

(Telephone number of Surety's agent in California)

The Hanover Insurance Company

(ATTACH NOTARY ACKNOWLEDGMENT)

Surety

By

Patrick T. Moughan

(Attorney-in-Fact)

NOTICE

No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business, and have an agent for service of process, in California. A certified copy of Power of Attorney must be attached.

*** SEE INCLUDED NOTARY ***

CALIFORNIA ALL PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA)
) ss:
COUNTY OF _____)

On _____, before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public

NOTE:

- (a) Signature of those executing for Surety must be properly acknowledged.
(b) The Attorney-in-fact must attach a certified copy of the Power of Attorney.

****END OF REQUIRED FORMS****

CALIFORNIA ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Los Angeles

On 9/25/24 before me, Sama Khalil, Notary Public

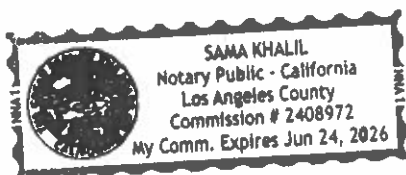
Date

Here Insert Name and Title of the Officer

personally appeared Sean Tabazadeh

Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer – Title(s): _____

☐ Partner – ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: _____

Signer is Representing: _____

Signer's Name: _____

☐ Corporate Officer – Title(s): _____

☐ Partner – ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: _____

Signer is Representing: _____

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWER OF ATTORNEY

THIS Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

KNOW ALL PERSONS BY THESE PRESENTS:

That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, (hereinafter individually and collectively the "Company") does hereby constitute and appoint,

Patrick T. Moughan, Mark D. Kiger, and/or Jing Guo Mason

Of Global Risk, LLC of Los Angeles, CA each individually, if there be more than one named, as its true and lawful attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, any and all surety bonds, recognizances, undertakings, or other surety obligations. The execution of such surety bonds, recognizances, undertakings or surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company, in their own proper persons. Provided however, that this power of attorney limits the acts of those named herein; and they have no authority to bind the Company except in the manner stated and to the extent of any limitation stated below:

Any such obligations in the United States, not to exceed Fifty Million and No/100 (\$50,000,000) in any single instance

That this power is made and executed pursuant to the authority of the following Resolutions passed by the Board of Directors of said Company, and said Resolutions remain in full force and effect:

RESOLVED: That the President or any Vice President, in conjunction with any Vice President, be and they hereby are authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as it acts, to execute and acknowledge for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons.

RESOLVED: That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile. (Adopted October 7, 1981 – The Hanover Insurance Company; Adopted April 14, 1982 – Massachusetts Bay Insurance Company; Adopted September 7, 2001 – Citizens Insurance Company of America and affirmed by each Company on March 24, 2014)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this 28th day of June, 2023



The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

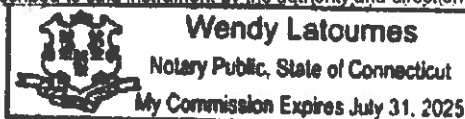
James H. Kawlecki
James H. Kawlecki, Vice President

The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

Joellen M. Mendoza
Joellen M. Mendoza, Vice President

STATE OF CONNECTICUT)
COUNTY OF HARTFORD) ss.

On this 28th day of June 2023 before me came the above named Executive Vice President and Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.



Wendy Latourmes
Wendy Latourmes, Notary Public
My commission expires July 31, 2025

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 23rd day of September 2024.

CERTIFIED COPY

The Hanover Insurance Company
Massachusetts Bay Insurance Company
Citizens Insurance Company of America

John Rowedder
John Rowedder, Vice President

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Los Angeles }

On 9/23/24 before me, Zipporah D. Kiger, Notary Public,
(Here insert name and title of the officer)

personally appeared Patrick T. Moughan,
who proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) ~~(is)~~ are subscribed to the within instrument and acknowledged to me that
~~he~~ she/they executed the same in ~~his~~ her/their authorized capacity(ies), and that by
~~his~~ her/their signature(s) on the instrument the person(s), or the entity upon behalf of
which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that
the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[Signature]
Notary Public Signature

(Notary Public Seal)



ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

Power of Attorney

(Title or description of attached document)

(Title or description of attached document continued)

Number of Pages 1 Document Date _____

CAPACITY CLAIMED BY THE SIGNER

- ☐ Individual (s)
☐ Corporate Officer

(Title)

- ☐ Partner(s)
☒ Attorney-in-Fact
☐ Trustee(s)
☐ Other _____

INSTRUCTIONS FOR COMPLETING THIS FORM

This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he~~/she/~~they~~, is /~~are~~) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**ADDENDUM NO. 1
TO THE CONTRACT DOCUMENTS AND SPECIFICATIONS
FOR CTP AUXILIARY BLOWER BUILDING ROOF IMPROVEMENTS
PROJECT**

**THE BIDDER SHALL EXECUTE THE CERTIFICATION AT THE END OF THE
ADDENDUM AND SHALL ATTACH THE ADDENDUM TO THE DOCUMENTS
SUBMITTED WITH THE BID.**

The following additions, modifications, corrections, deletions and clarifications
are hereby made to the Contract Documents of the subject project:

There are seven (7) pipe supports needed to be replaced supporting the FRP
line on the Roof.

DATED: 8/13/2024



Jeanette Cotinola, CPCM
Procurement/Contract Manager

BIDDER'S CERTIFICATION

I acknowledge receipt of the foregoing Addendum No. 1 and accept all conditions
contained herein.

DATED: September 26, 2024

BIDDER: Best Contracting Services, Inc.

BY: 

Sean Tabazadeh, CEO/Secretary

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**ADDENDUM No.2
TO INVITATION FOR BIDS**

**COASTAL TREATMENT PLANT
AUXILIARY BLOWER BUILDING ROOF IMPROVEMENTS**

**THE BIDDER SHALL EXECUTE THE CERTIFICATION AT THE END OF THE
ADDENDUM AND SHALL ATTACH THE ADDENDUM TO THE BID**

1. The new bid due date is Thursday, October 3rd at 2 pm.
2. Delete Section 07510 Built-Up Bituminous Roofing from the Technical Specifications.
3. The roofing material shall be 80 mil, single-ply PVC.

DATED: September 25, 2024


Jeanette Cotinola
Procurement and Contract Manager


BIDDER'S CERTIFICATION

2

I acknowledge receipt of the foregoing Addendum No. ~~4~~ and accept all conditions contained herein.

DATED: October 03, 2024

BIDDER: Best Contracting Services, Inc.

BY: 
Sean Tabazadeh, CEO/Secretary



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BEST CONTRACTING SERVICES, INC.

Contractor

Contractor business email

wsalazar@bestcontracting.com

Contractor c ation eff date

2022-07-01

Contractor first name

Wualfre

Contractor mailing city

GARDENA

Contractor mailing state

CA

Contractor mailing zip

90248

Contractor physical city

GARDENA

Contractor physical state

CA

Contractor physical zip

90248

Contractor certify date

2022-05-04

Contractor company type

Corporation

Contractor craft legacy

Roofing; Glazier; Sheet Metal Worker

Contractor craft snow

Contractor c ation exp date

2025-06-30

Contractor date deactivated

Contractor dba name

Contractor entity number	C1158028
Contractor ID	1000000563
Contractor last name	Salazar
Contractor mailing address2	
Contractor physical address1	19027 S. HAMILTON AVENUE
Contractor physical address2	
Contractor source	legacy-pwcr
Contractor wc cert date	2021-12-01
Contractor wc exp date	2022-12-01
Contractor wc policy number	WC9805198?10
Contractor wc selection	Insured by carrier
Contractor legal entity name	BEST CONTRACTING SERVICES, INC.
Contractor mailing address1	19027 S. HAMILTON AVENUE
Contractor wc carrier	BEST CONTRACTING SERVICES, INC.

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Home > Contractor > PRFORM-MANCE CONTRACTORS INC.

PRFORM-MANCE CONTRACTORS INC.

Contractor

Contractor business email

prformancepaul@aol.com

Contractor c ation eff date

2023-11-16

Contractor first name

Paul

Contractor mailing city

FULLERTON

Contractor mailing state

CA

Contractor mailing zip

92835

Contractor physical city

FULLERTON

Contractor physical state

CA

Contractor physical zip

92835

Contractor certify date

2023-11-16

Contractor company type

Corporation

Contractor craft legacy

Laborer; Electrician; Carpenter; Plumber

Contractor craft snow

Contractor c ation exp date

2026-06-30

Contractor date deactivated

Contractor dba name

Contractor entity number	1000022124
Contractor ID	1000022124
Contractor last name	Fournier
Contractor mailing address2	
Contractor physical address1	341 E HERMOSA DR.
Contractor physical address2	
Contractor source	legacy-pwcr
Contractor wc cert date	2020-04-01
Contractor wc exp date	2024-04-01
Contractor wc policy number	wsa 5047268 04
Contractor wc selection	Insured by carrier
Contractor legal entity name	PRFORMANCE CONTRACTORS INC.
Contractor mailing address1	341 E HERMOSA DR.
Contractor wc carrier	prformance contractors inc

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REQUIRED FORMS

BID FORM
PROPOSAL TO
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
FOR THE CONSTRUCTION OF: COASTAL TREATMENT PLANT AUXILIARY
BLOWER BUILDING ROOF IMPROVEMENTS

Name of Bidder: Chambers, Inc. dba Roof Construction

Business Address: 1563 Sterling Ct., Escondido, CA 92029

Phone No.: 760-738-1050

TO THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA)

The undersigned, as Bidder, hereby certifies and declares that:

Pursuant to, and in compliance with, the Notice Inviting Bids and the other documents relating thereto, the undersigned bidder, being fully familiar with the terms of the Contract Documents, local conditions affecting the performance of the Contract, the character, quality, quantities, and scope of the Work, and the cost of the Work at the place where the Work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, materials, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the Contract and complete, in a workmanlike manner, all of the Work required in connection with the construction of said Work all in strict conformity with the Plans and Specifications and other Contract Documents, for the prices hereinafter set forth.

The only persons or parties interested in this Proposal as principals are those named herein and that this Proposal is made without collusion with any person, firm, or corporation as set forth in more detail in the Noncollusion Affidavit executed herewith. Further, the undersigned proposes and agrees, if the Proposal is accepted, that he/she will execute a Contract with the SOCWA in the form set forth in the Contract Documents and that he/she will accept in full payment thereof the following prices to with:

SCHEDULE OF WORK ITEMS

BID ITEM A: For the work associated with the Coastal Treatment Plant (CTP) Auxiliary Blower Building Roof Improvements Project:

BID ITEM 1: Mobilization and demobilization, for the sum of

(\$ 5,000.00)

BID ITEM 2: Remove and dispose of existing pipe supports and pipe penetrations, per the plan, for the sum of

(\$ 10,120.00)

BID ITEM 3: Repair pipe penetration and openings per the plan, for the sum of

(\$ 25,000.00)

BID ITEM 4: Install new roofing system, approximately 1,800 SF, per the technical specifications, for the sum of

(\$ 83,780.00)

BID ITEM 5: All other items necessary to complete the work, that are not described in Bid Items A1 through A4, for the sum of

(\$ 1,500.00)

ITEM A PRICE (the sum of Items A1 through A5):

(\$ 125,500.00)

ADD/DEDUCT (List Bid Items Affected and Amount*): None

Item No.	Add (+) Amount	Deduct (-) Amount
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____

SUBTOTAL ADD (+)/DEDUCT(-) ITEMS:

(\$ 0)

*Provision is made here for the bidder to include an addition or deduction in their Bid, if bidder wishes, to reflect any last-minute adjustments in price. The addition or deduction, if made, will be applied to the listed bid item.

TOTAL CONTRACT PRICE (Sum of Subtotal Sum Price and Subtotal Add/Deduct Items):

(\$ 125,500.00)

Total amount of bid (written in words):

One hundred twenty five thousand five hundred Dollars

Award of contract will be made to the lowest responsive, responsible bidder on the basis of the TOTAL CONTRACT PRICE.

Award of contract is based on the Total Contract Price noted above and is not impacted by the proposed cost of any additive bid item. SOCWA retains the right to include any additive bid item value in the overall project at the time of contract award.

Signature of Bidder: Ronald Chambers/

Date: 10/31/2024

LIST OF SUBCONTRACTORS

The name, California Contractor's license number, registration number issued pursuant to Labor Code Section 1725.5, and location of place of business of each subcontractor who will perform work or labor or render service to the Bidder in or about the construction of the work or improvements in an amount in excess of one-half of one percent (.5%) of the Bidder's Total Contract Price, and the portion of the Work which will be done by each subcontractor is set forth as follows (attach additional sheets as necessary). Circumvention by the Bidder of the requirement to list subcontractors by the device of listing one subcontractor who will in turn sublet portions constituting the majority of the Work covered by this Contract shall be considered a violation of Chapter

4 of the California Public Contract Code and shall subject the Bidder to the penalties set forth in Sections 4110 and 4111 of said Code. Bidder shall conduct substitutions of subcontractors in compliance with Public Contract Code Sections 4106 et seq. detailing the process and conditions under which a public agency may consent to a subcontractor substitution. Except as hereinabove provided, bidder acknowledges and agrees that bidder will perform all required Work in accordance with Section 4106 of the Public Contract Code.

<u>Contractor's Name</u>	<u>Contractor's License & Registration Number</u>	<u>Place of Business</u>	<u>Type of Work</u>
	none		

LIST OF EQUIPMENT MANUFACTURERS (Not Used)

COMPANY DATA

Legal name of Bidder: Chambers, Inc. dba Roof Construction

Primary Contact: Ronald Chambers

Business address: 1563 Sterling Ct.

Escondido, CA 92029

Telephone:

760-738-1050

Facsimile:

760-738-1054

Email:

sunny@roofconstruction.com

California Contractor's License:

Primary C-39

Class:

License 647203

No.:

Expiration 7/31/2026

Date:

Supplemental Classification held, if any: B

The full names of all persons and parties interested in the foregoing Bid Form as principals are as follows (*NOTICE: Give first and last names in full; in case of corporation, give names of President, Secretary, Treasurer, and Manager, and in case of partnerships and joint ventures, give names of all the individual members, attached additional sheets as necessary*):

Chambers Inc dba Roof Construction

Ronald Chambers, President

Maria Chambers, Vice President/ Secretary & Treasurer

PROPOSED CONSTRUCTION PROJECT SCHEDULE

Bidder has attached hereto a proposed construction progress schedule showing the sequence of activities for completion of the Work, in bar chart format. The proposed construction progress schedule includes major construction activities, major equipment procurement and delivery activities, working time limits imposed by permits, and substantial and final completion milestones, and identifies critical path tasks. The schedule is displayed in elapsed numerical days rather than calendar dates and equals the Contract Time.

CLOSING STATEMENT & CERTIFICATIONS

The undersigned Bidder further certifies as follows:

The Total Bid Price requests sufficient funds to allow Contractor to comply with all applicable laws or regulations governing the labor or services to be provided under the Contract. Furthermore, Bidder hereby agrees to indemnify SOCWA for liabilities and penalties for violations of Labor Code Section 2810.

The cost for all labor, materials, equipment, taxes, freight, insurance and incidentals necessary for the Work is included in the Total Bid Price, including but not limited to sheeting, shoring, and bracing, or equivalent method for the protection of life and limb in trenches and open excavation in conformance with applicable safety orders.

The Bidder is, at the time of bidding, and shall be, throughout the period of the Contract, licensed by the State of California to do the type of Work required under the terms of the Contract Documents. Bidder further certifies that Bidder is skilled and regularly engaged in the general class and type of Work called for in the Contract Documents.

Bidder is not an ineligible contractor for the purposes of California Labor Code Section 1777.1 or 1777.7, and no subcontractor to be used for the performance of the Work is an ineligible contractor for the purposes of Labor Code Section 1777.1 or 1777.7.

Bidder is competent, knowledgeable and has special skills regarding the nature, extent and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work which may create, during the construction program, unusual or peculiar unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that Bidder is aware of such peculiar risks and that Bidder has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction Work with respect to such hazards.

Bidder acknowledges receipt of the following Addenda: 1, 2, 2 rev

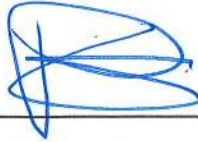
Bidder has attached hereto Bid security, in the form of a bond, cashier's check, or certified check, in an amount which is equal to (at least) ten percent (10%) of the total amount of the Bid, payable in lawful money of the United States to the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY.

Bidder is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for worker's compensation or undertake self-insurance in accordance with the provisions of that code, and will comply with such provisions before commencing the performance of the Work.

Bidder has inspected the site of the Work prior to submitting this Bid.

By signing below, the undersigned certifies that he/she has the legal authority to bind the Bidder and that all representations, certifications, and statements made by Bidder, as set forth in this Bid, are true and correct and are made under penalty of perjury.

Signature:



Clearly printed name:

Ronald Chambers

Position:

President

Date/Location:

October 3, 2024, at Escondido, Ca

Seal (if any):

Co-Signature:

Clearly printed name:

Position:

Date/Location:

_____, 20__, at _____

NOTICE: Pursuant to the requirements of California Business and Professions Code, Section 7028.15(e), a bid submitted to the SOCWA by a contractor who is not licensed pursuant to Chapter 9, of Division 3, of the Business and Professions Code, shall be considered nonresponsive and shall be rejected as provided for by law.

NONCOLLUSION AFFIDAVIT

To Be Executed by Bidder and Submitted with Bid
(Public Contract Code § 7106)

The undersigned declares:

I am the President of Chambers, Inc dba Roof Construction, the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on October 3, 2024 [date], at Escondido [city], CA [state].

BIDDER:

Chambers Inc dba Roof Construction
[Type full name of Bidder]

By: _____

Ronald Chambers/President
[Print name and title]

BIDDER'S BOND*(At Least 10 Percent of the Total Contract Price)*

We Chambers, Inc. dba Roof Construction, as
Principal,

and Philadelphia Indemnity Insurance Company, as Surety,

jointly and severally, bind ourselves, our heirs, representatives, successors, and assigns, as set forth herein, to the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA") for payment of the penal sum of

Ten Percent of the Total Bid Amount

Dollars (\$ 10%),

lawful money of the United States, such amount representing at least ten percent (10%) of the amount of the Total Bid Price to obtain the award of a contract for CTP Auxiliary Blower Building Roof Improvements Project and to be paid to SOCWA, its successors and assigns, for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors or assigns, jointly and severally, firmly hereby.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal shall not withdraw said Bid within the period of time set forth in the Contract Documents, and shall within fifteen (15) calendar days after the prescribed forms are presented to the Principal for signature enter into a written contract with SOCWA in accordance with the Bid as accepted, and if the Principal shall give the required bonds with good and sufficient sureties for the faithful performance and proper fulfillment of such contract, and for the protection of laborers and materialmen, or in the event of the withdrawal of the Bid within the period specified, or the failure to enter into the Contract, and give such bonds within the time specified, if the Principal shall within sixty (60) days after request by SOCWA pay to SOCWA the difference between the amount specified in the Bid and the amount for which SOCWA may procure the required work, if the latter amount be in excess of the former, then the above obligation shall be void and of no effect, otherwise it shall remain in full force and effect.

Forfeiture of this bond, or any deposit made in lieu thereof, shall not preclude the SOCWA from seeking all other remedies provided by law to cover losses sustained as a result of the Principal's failure to do any of the foregoing and this bond shall not be a limitation on Principals' liability therefor.

Principal and Surety agree that if the SOCWA is required to engage the services of an attorney(s) in connection with the enforcement of this bond, each shall pay SOCWA's costs and reasonable attorney fees incurred with or without suit.

IN WITNESS WHEREOF,

Executed on September 24th, 2024.

[CORPORATE SEAL]

Chambers, Inc. dba Reef Construction

Principal

By

Ronald Chambers, President
Title

(ATTACH NOTARY ACKNOWLEDGMENT OF AUTHORIZED REPRESENTATIVE OF PRINCIPAL)

Any claims under this bond may be addressed to:

Philadelphia Indemnity Insurance Company (Name and address of Surety)

800 E. Colorado Blvd., 6th Floor
Pasadena, CA 91101

Matranga Bonds and Insurance Services

PO Box 428

(Name and address of Surety's agent for service of process in California, if different from above)

Roseville, CA 95661

916-474-4227

(Telephone number of Surety's agent in California)

(ATTACH NOTARY ACKNOWLEDGMENT)

Philadelphia Indemnity Insurance Company
Surety

By

Stanley J. Matranga
(Attorney-in-Fact)

Stanley J. Matranga, Attorney-In-Fact

NOTICE

No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business, and have an agent for service of process, in California. A certified copy of Power of Attorney must be attached.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

On _____, before me, _____, Notary Public, personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

NOTE:

- (a) Signature of those executing for Surety must be properly acknowledged.
- (b) The Attorney-in-fact must attach a certified copy of the Power of Attorney.

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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

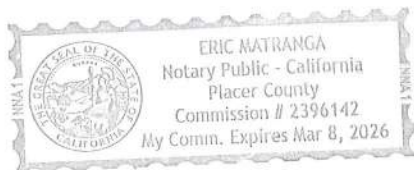
State of California)

County of Placer)On September 24, 2024 before me, Eric Matranga, Notary Public,
Date Here Insert Name and Title of the Officerpersonally appeared Stanley J. Matranga
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer — Title(s): _____☐ Partner — ☐ Limited ☐ General☐ Individual ☐ Attorney in Fact☐ Trustee ☐ Guardian or Conservator☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

☐ Corporate Officer — Title(s): _____☐ Partner — ☐ Limited ☐ General☐ Individual ☐ Attorney in Fact☐ Trustee ☐ Guardian or Conservator☐ Other: _____

Signer Is Representing: _____

PHILADELPHIA INDEMNITY INSURANCE COMPANY

One Bala Plaza, Suite 100
Bala Cynwyd, PA 19004-0950

Power of Attorney

KNOW ALL PERSONS BY THESE PRESENTS: That **PHILADELPHIA INDEMNITY INSURANCE COMPANY** (the Company), a corporation organized and existing under the laws of the Commonwealth of Pennsylvania, does hereby constitute and appoint **Stanley J. Matranga and Eric V. Matranga of Matranga Bonds & Insurance Services**, its true and lawful Attorney-in-fact with full authority to execute on its behalf bonds, undertakings, recognizances and other contracts of indemnity and writings obligatory in the nature thereof, issued in the course of its business and to bind the Company thereby, in an amount not to exceed \$50,000,000.

This Power of Attorney is granted and is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of PHILADELPHIA INDEMNITY INSURANCE COMPANY on the 14th of November, 2016.

RESOLVED: That the Board of Directors hereby authorizes the President or any Vice President of the Company: (1) Appoint Attorney(s) in Fact and authorize the Attorney(s) in Fact to execute on behalf of the Company bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof and to attach the seal of the Company thereto; and (2) to remove, at any time, any such Attorney-in-Fact and revoke the authority given. And, be it

FURTHER RESOLVED: That the signatures of such officers and the seal of the Company may be affixed to any such Power of Attorney or certificate relating thereto by facsimile, and any such Power of Attorney so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

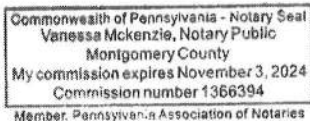
IN TESTIMONY WHEREOF, PHILADELPHIA INDEMNITY INSURANCE COMPANY HAS CAUSED THIS INSTRUMENT TO BE SIGNED AND ITS CORPORATE SEAL TO BE AFFIXED BY ITS AUTHORIZED OFFICE THIS 5TH DAY OF MARCH, 2021.



(Seal)

John Glomb, President & CEO
Philadelphia Indemnity Insurance Company

On this 5th day of March, 2021 before me came the individual who executed the preceding instrument, to me personally known, and being by me duly sworn said that he is the therein described and authorized officer of the **PHILADELPHIA INDEMNITY INSURANCE COMPANY**; that the seal affixed to said instrument is the Corporate seal of said Company; that the said Corporate Seal and his signature were duly affixed.



Notary Public:

residing at:

Bala Cynwyd, PA

My commission expires:

November 3, 2024

I, Edward Sayago, Corporate Secretary of PHILADELPHIA INDEMNITY INSURANCE COMPANY, do hereby certify that the foregoing resolution of the Board of Directors and the Power of Attorney issued pursuant thereto on the 5th day March, 2021 are true and correct and are still in full force and effect. I do further certify that John Glomb, who executed the Power of Attorney as President, was on the date of execution of the attached Power of Attorney the duly elected President of PHILADELPHIA INDEMNITY INSURANCE COMPANY.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this 24 day of September, 20 24



Edward Sayago, Corporate Secretary
PHILADELPHIA INDEMNITY INSURANCE COMPANY

Company Profile

Company Profile Search Lines of Insurance Search Other Insurance Entities

Reset
Company Profile
Search

Company Profile

PHILADELPHIA INDEMNITY INSURANCE COMPANY

1 Bala Plz Ste 100, Bala Cynwyd, PA 19004-1401

877-438-7459

Company Complaints

Company Performance
& Comparison Data

Enforcement Actions

Consumer Complaint
Study

[Show All](#) [Name History](#) [Agent for Service](#) [Reference Information](#) [Lines of Business](#) [Financial Statements](#)

Name History

Workers' Compensation

Workers' Compensation
Complaint & Requests
for Action/Appeals
Contact Information

[Legal Name](#) [Name Status](#) [Effective Date](#)

PHILADELPHIA INDEMNITY INSURANCE COMPANY Current

Agent for Service

Additional Information

View
Financial Disclaimer

Full Name	Attn Or C/O	Full Address	Contact Phone	Effective From Date
AMANDA GARCIA	C T Corporation System	330 N Brand Blvd Ste 700, Glendale, CA 91203	213-337-4615	03/15/2022

Reference Information

Identification

Company ID (EID)	12973
CA #	3576-6
NAIC	18058
NAIC Group	3098
NAIC Group Name	Tokio Marine Holdings Inc GRP

Classification

Category	Insurer
Category Type	Property & Casualty
Status	Unlimited-Normal
License Category	Admitted

Location

State Name	Pennsylvania
Origin	Foreign
Country	-
Form	Stock

Lines of Business

The company is authorized to transact business within these lines of insurance. For an explanation of any of these terms, please refer to the [glossary](#).

Lines of Business

- Fire
- Marine
- Plate Glass
- Liability
- Burglary
- Automobile
- Miscellaneous
- Surety
- Boiler And Machinery
- Sprinkler
- Disability
- Common Carrier Liability
- Team And Vehicle

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.


State of California
County of San Diego)

On October 2, 2024 before me, S. Harrington, Notary Public
(insert name and title of the officer)

personally appeared Ronald Chambers,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)



BID FORM
PROPOSAL TO
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY
FOR THE CONSTRUCTION OF: COASTAL TREATMENT PLANT AUXILIARY
BLOWER BUILDING ROOF IMPROVEMENTS

Name of Bidder: SS Mechanical Construction Corp.
Business Address: 26561 Jacinto Drive Mission Viejo, CA 92692
Phone No.: 714-847-1317

TO THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA)

The undersigned, as Bidder, hereby certifies and declares that:

Pursuant to, and in compliance with, the Notice Inviting Bids and the other documents relating thereto, the undersigned bidder, being fully familiar with the terms of the Contract Documents, local conditions affecting the performance of the Contract, the character, quality, quantities, and scope of the Work, and the cost of the Work at the place where the Work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, materials, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the Contract and complete, in a workmanlike manner, all of the Work required in connection with the construction of said Work all in strict conformity with the Plans and Specifications and other Contract Documents, for the prices hereinafter set forth.

The only persons or parties interested in this Proposal as principals are those named herein and that this Proposal is made without collusion with any person, firm, or corporation as set forth in more detail in the Noncollusion Affidavit executed herewith. Further, the undersigned proposes and agrees, if the Proposal is accepted, that he/she will execute a Contract with the SOCWA in the form set forth in the Contract Documents and that he/she will accept in full payment thereof the following prices to with:

SCHEDULE OF WORK ITEMS

BID ITEM A: For the work associated with the Coastal Treatment Plant (CTP) Auxiliary Blower Building Roof Improvements Project:

BID ITEM 1: Mobilization and demobilization, for the sum of

(\$ 7,800.⁰⁰)

BID ITEM 2: Remove and dispose of existing pipe supports and pipe penetrations, per the plan, for the sum of

(\$ 8,925.⁰⁰)

BID ITEM 3: Repair pipe penetration and openings per the plan, for the sum of

(\$ 6,500.⁰⁰)

BID ITEM 4: Install new roofing system, approximately 1,800 SF, per the technical specifications, for the sum of

(\$ ~~89,600.⁰⁰~~ 89,060.⁰⁰)

BID ITEM 5: All other items necessary to complete the work, that are not described in Bid Items A1 through A4, for the sum of

(\$ ~~2nd, 000.⁰⁰~~ 19,550.⁰⁰)

ITEM A PRICE (the sum of Items A1 through A5):

(\$ ~~aw 113,285.⁰⁰~~ 131,835.⁰⁰)

ADD/DEDUCT (List Bid Items Affected and Amount*):

Item No.	Add (+) Amount	Deduct (-) Amount
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____
_____	\$ _____	\$ _____

SUBTOTAL ADD (+)/DEDUCT(-) ITEMS:

(\$ - 0 -)

*Provision is made here for the bidder to include an addition or deduction in their Bid, if bidder wishes, to reflect any last-minute adjustments in price. The addition or deduction, if made, will be applied to the listed bid item.

TOTAL CONTRACT PRICE (Sum of Subtotal Sum Price and Subtotal Add/Deduct Items):

(\$ ~~113,285.00~~ 131,835.00)

Total amount of bid (written in words): one Hundred Thirty one Thousand Eight Hundred
~~one Hundred Thirteen Thousand two Hundred~~ thirty five ⁰⁰/₁₀₀ Dollars

Award of contract will be made to the lowest responsive, responsible bidder on the basis of the TOTAL CONTRACT PRICE.

Award of contract is based on the Total Contract Price noted above and is not impacted by the proposed cost of any additive bid item. SOCWA retains the right to include any additive bid item value in the overall project at the time of contract award.

Signature of Bidder: 
Date: September 26, 2024 John Whelan, President



LIST OF SUBCONTRACTORS

The name, California Contractor's license number, registration number issued pursuant to Labor Code Section 1725.5, and location of place of business of each subcontractor who will perform work or labor or render service to the Bidder in or about the construction of the work or improvements in an amount in excess of one-half of one percent (.5%) of the Bidder's Total Contract Price, and the portion of the Work which will be done by each subcontractor is set forth as follows (attach additional sheets as necessary). Circumvention by the Bidder of the requirement to list subcontractors by the device of listing one subcontractor who will in turn sublet portions constituting the majority of the Work covered by this Contract shall be considered a violation of Chapter

4 of the California Public Contract Code and shall subject the Bidder to the penalties set forth in Sections 4110 and 4111 of said Code. Bidder shall conduct substitutions of subcontractors in compliance with Public Contract Code Sections 4106 et seq. detailing the process and conditions under which a public agency may consent to a subcontractor substitution. Except as hereinabove provided, bidder acknowledges and agrees that bidder will perform all required Work in accordance with Section 4106 of the Public Contract Code.

<u>Contractor's Name</u>	<u>Contractor's License & Registration Number</u>	<u>Place of Business</u>	<u>Type of Work</u>
Let it Rain Roofing	735125 1000533594	San Juan Cap., CA	Roofing

LIST OF EQUIPMENT MANUFACTURERS (Not Used)

COMPANY DATA

Legal name of Bidder: SS Mechanical Construction Corp.

Primary Contact: John Whelan

Business address: 26561 Jacinto Drive

Mission Viejo, CA 92692

Telephone:

714-847-1317

Facsimile:

N/A

Email:

john@ssmechanical.com

California Contractor's License:

Primary A

Class:

License 1027264

No.:

Expiration May 31, 2025

Date:

Supplemental Classification held, if any: HAZ

The full names of all persons and parties interested in the foregoing Bid Form as principals are as follows (*NOTICE: Give first and last names in full; in case of corporation, give names of President, Secretary, Treasurer, and Manager, and in case of partnerships and joint ventures, give names of all the individual members, attached additional sheets as necessary*):

John Whelan - President

Chris Powers - Secretary

Javier Lopez - Treasurer

PROPOSED CONSTRUCTION PROJECT SCHEDULE

Bidder has attached hereto a proposed construction progress schedule showing the sequence of activities for completion of the Work, in bar chart format. The proposed construction progress schedule includes major construction activities, major equipment procurement and delivery activities, working time limits imposed by permits, and substantial and final completion milestones, and identifies critical path tasks. The schedule is displayed in elapsed numerical days rather than calendar dates and equals the Contract Time.

CLOSING STATEMENT & CERTIFICATIONS

The undersigned Bidder further certifies as follows:

The Total Bid Price requests sufficient funds to allow Contractor to comply with all applicable laws or regulations governing the labor or services to be provided under the Contract. Furthermore, Bidder hereby agrees to indemnify SOCWA for liabilities and penalties for violations of Labor Code Section 2810.

The cost for all labor, materials, equipment, taxes, freight, insurance and incidentals necessary for the Work is included in the Total Bid Price, including but not limited to sheeting, shoring, and bracing, or equivalent method for the protection of life and limb in trenches and open excavation in conformance with applicable safety orders.

The Bidder is, at the time of bidding, and shall be, throughout the period of the Contract, licensed by the State of California to do the type of Work required under the terms of the Contract Documents. Bidder further certifies that Bidder is skilled and regularly engaged in the general class and type of Work called for in the Contract Documents.

Bidder is not an ineligible contractor for the purposes of California Labor Code Section 1777.1 or 1777.7, and no subcontractor to be used for the performance of the Work is an ineligible contractor for the purposes of Labor Code Section 1777.1 or 1777.7.

Bidder is competent, knowledgeable and has special skills regarding the nature, extent and inherent conditions of the Work to be performed. Bidder further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the Work which may create, during the construction program, unusual or peculiar unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that Bidder is aware of such peculiar risks and that Bidder has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction Work with respect to such hazards.

Bidder acknowledges receipt of the following Addenda: 1, 2

Bidder has attached hereto Bid security, in the form of a bond, cashier's check, or certified check, in an amount which is equal to (at least) ten percent (10%) of the total amount of the Bid, payable in lawful money of the United States to the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY.

Bidder is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for worker's compensation or undertake self-insurance in accordance with the provisions of that code, and will comply with such provisions before commencing the performance of the Work.

Bidder has inspected the site of the Work prior to submitting this Bid.

By signing below, the undersigned certifies that he/she has the legal authority to bind the Bidder and that all representations, certifications, and statements made by Bidder, as set forth in this Bid, are true and correct and are made under penalty of perjury.

Signature:



Clearly printed name:

John Whelan

Position:

President

Date/Location:

September 26, 2024, at Mission Viejo, CA

Seal (if any):

Co-Signature:

Clearly printed name:

Position:

Date/Location:

_____, 20____, at _____

NOTICE: Pursuant to the requirements of California Business and Professions Code, Section 7028.15(e), a bid submitted to the SOCWA by a contractor who is not licensed pursuant to Chapter 9, of Division 3, of the Business and Professions Code, shall be considered nonresponsive and shall be rejected as provided for by law.

NONCOLLUSION AFFIDAVIT

To Be Executed by Bidder and Submitted with Bid
(Public Contract Code § 7106)

The undersigned declares:

I am the SS Mechanical
President of Construction Corp., the party making the
foregoing bid.

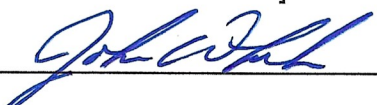
The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on September 26, 2024 [date], at Mission Viejo [city], CA [state].

BIDDER:

SS Mechanical Construction Corp.
[Type full name of Bidder]

By: 
John Whelan, President
[Print name and title]

BIDDER'S BOND

(At Least 10 Percent of the Total Contract Price)

We SS Mechanical Construction Corp, as
Principal,

and Swiss Re Corporate Solutions America Insurance Corporation, as Surety,

jointly and severally, bind ourselves, our heirs, representatives, successors, and assigns, as set forth herein, to the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA") for payment of the penal sum of

Ten Percent of Bid Amount

Dollars (\$ 10% of Bid),

lawful money of the United States, such amount representing at least ten percent (10%) of the amount of the Total Bid Price to obtain the award of a contract for CTP Auxiliary Blower Building Roof Improvements Project and to be paid to SOCWA, its successors and assigns, for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors or assigns, jointly and severally, firmly hereby.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the Principal shall not withdraw said Bid within the period of time set forth in the Contract Documents, and shall within fifteen (15) calendar days after the prescribed forms are presented to the Principal for signature enter into a written contract with SOCWA in accordance with the Bid as accepted, and if the Principal shall give the required bonds with good and sufficient sureties for the faithful performance and proper fulfillment of such contract, and for the protection of laborers and materialmen, or in the event of the withdrawal of the Bid within the period specified, or the failure to enter into the Contract, and give such bonds within the time specified, if the Principal shall within sixty (60) days after request by SOCWA pay to SOCWA the difference between the amount specified in the Bid and the amount for which SOCWA may procure the required work, if the latter amount be in excess of the former, then the above obligation shall be void and of no effect, otherwise it shall remain in full force and effect.

Forfeiture of this bond, or any deposit made in lieu thereof, shall not preclude the SOCWA from seeking all other remedies provided by law to cover losses sustained as a result of the Principal's failure to do any of the foregoing and this bond shall not be a limitation on Principals' liability therefor.

Principal and Surety agree that if the SOCWA is required to engage the services of an attorney(s) in connection with the enforcement of this bond, each shall pay SOCWA's costs and reasonable attorney fees incurred with or without suit.

IN WITNESS WHEREOF,



Executed on September 17, 2024.

SS Mechanical Construction Corp
Principal

By *John Whelan*
President
Title

(ATTACH NOTARY ACKNOWLEDGMENT OF AUTHORIZED REPRESENTATIVE OF PRINCIPAL)

Any claims under this bond may be addressed to:

Swiss Re Corporate Solutions
America Insurance Corporation

(Name and address of Surety)

777 S. Figueroa St., Suite 3700

Los Angeles, CA 90017

Acrisure of California, LLC
DBA: Rohm Insurance Agency, LLC

(Name and address of Surety's agent for service of process in California, if different from above)

26 Plaza Square Suite 200
Orange, CA 92866

(714) 516-2960

(Telephone number of Surety's agent
In California)

(ATTACH NOTARY ACKNOWLEDGMENT) Swiss Re Corporate Solutions America Insurance Corporation
Surety

By *Cheryl L. Thomas*
(Attorney-in-Fact) Cheryl L. Thomas

NOTICE

No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business, and have an agent for service of process, in California. A certified copy of Power of Attorney must be attached.

CALIFORNIA ALL PURPOSE ACKNOWLEDGMENT

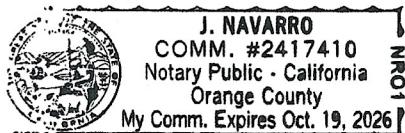
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

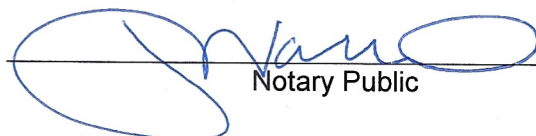
STATE OF CALIFORNIA)
) ss:
COUNTY OF Orange)

On 09/17/2024, before me, J. Navarro, Notary Public, personally appeared John Whelan, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.




Notary Public

NOTE:

- (a) Signature of those executing for Surety must be properly acknowledged.
- (b) The Attorney-in-fact must attach a certified copy of the Power of Attorney.

****END OF REQUIRED FORMS****

ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Orange }

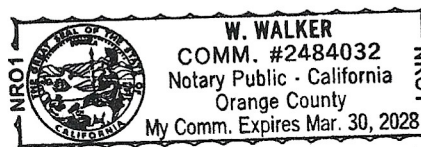
On September 17, 2024 before me, W. Walker, Notary Public,
(Here insert name and title of the officer)

personally appeared Cheryl L. Thomas,
who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose
name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that
~~he/she/they~~ executed the same in ~~his/her/their~~ authorized capacity~~(ies)~~, and that by
~~his/her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of
which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that
the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Notary Public Signature



(Notary Public Seal)

ADDITIONAL OPTIONAL INFORMATION

DESCRIPTION OF THE ATTACHED DOCUMENT

SS Mechanical Construction Corp

(Title or description of attached document)

Bid Bond

(Title or description of attached document continued)

Number of Pages 2 Document Date 9/17/24

CAPACITY CLAIMED BY THE SIGNER

- ☐ Individual (s)
☐ Corporate Officer

(Title)

- ☐ Partner(s)
☒ Attorney-in-Fact
☐ Trustee(s)
☐ Other

INSTRUCTIONS FOR COMPLETING THIS FORM

This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~, is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
 - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
 - ❖ Indicate title or type of attached document, number of pages and date.
 - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.

SWISS RE CORPORATE SOLUTIONS

SWISS RE CORPORATE SOLUTIONS AMERICA INSURANCE CORPORATION ("SRCSAIC")
SWISS RE CORPORATE SOLUTIONS PREMIER INSURANCE CORPORATION ("SRCSPIC")
WESTPORT INSURANCE CORPORATION ("WIC")

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT SRCSAIC, a corporation duly organized and existing under laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri, and SRCSPIC, a corporation organized and existing under the laws of the State of Missouri and having its principal office in the City of Kansas City, Missouri, and WIC, organized under the laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri, each does hereby make, constitute and appoint:

TODD M. ROHM, CATHY S. KENNEDY, BEATA A. SENSI, CHERYL L. THOMAS, WRENETTA WALKER, and SHANE WOLF

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

FIFTY MILLION (\$50,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both SRCSAIC and SRCSPIC at meetings duly called and held on the 18th of November 2021 and WIC by written consent of its Executive Committee dated July 18, 2011.

"RESOLVED, that any two of the President, any Managing Director, any Senior Vice President, any Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is, authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Corporation bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Corporation; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Corporation may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Corporation when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."



By Erik Janssens, Senior Vice President of SRCSAIC & Senior Vice President of SRCSPIC & Senior Vice President of WIC

By Gerald Jagrowski, Vice President of SRCSAIC & Vice President of SRCSPIC & Vice President of WIC



IN WITNESS WHEREOF, SRCSAIC, SRCSPIC, and WIC have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers

this 10 day of NOVEMBER, 20 22

State of Illinois
County of Cook



Swiss Re Corporate Solutions America Insurance Corporation
Swiss Re Corporate Solutions Premier Insurance Corporation
Westport Insurance Corporation

On this 10 day of NOVEMBER, 20 22, before me, a Notary Public personally appeared Erik Janssens, Senior Vice President of SRCSAIC and Senior Vice President of SRCSPIC and Senior Vice President of WIC and Gerald Jagrowski, Vice President of SRCSAIC and Vice President of SRCSPIC and Vice President of WIC, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



Christina Manisco
Christina Manisco, Notary

I, Jeffrey Goldberg, the duly elected Senior Vice President and Assistant Secretary of SRCSAIC and SRCSPIC and WIC, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said SRCSAIC and SRCSPIC and WIC, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 17th day of SEPTEMBER, 20 24.

Jeffrey Goldberg
Jeffrey Goldberg, Senior Vice President &
Assistant Secretary of SRCSAIC and
SRCSPIC and WIC

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**ADDENDUM NO. 1
TO THE CONTRACT DOCUMENTS AND SPECIFICATIONS
FOR CTP AUXILIARY BLOWER BUILDING ROOF IMPROVEMENTS
PROJECT**

**THE BIDDER SHALL EXECUTE THE CERTIFICATION AT THE END OF THE
ADDENDUM AND SHALL ATTACH THE ADDENDUM TO THE DOCUMENTS
SUBMITTED WITH THE BID.**

The following additions, modifications, corrections, deletions and clarifications
are hereby made to the Contract Documents of the subject project:

There are seven (7) pipe supports needed to be replaced supporting the FRP
line on the Roof.

DATED: 8/13/2024



Jeanette Cotinola, CPCM
Procurement/Contract Manager

BIDDER'S CERTIFICATION

I acknowledge receipt of the foregoing Addendum No. 1 and accept all conditions
contained herein.

DATED: August 13, 2024

BIDDER: SS Mechanical Construction Corp.

BY: 

John Whelan, President

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**ADDENDUM No.2
TO INVITATION FOR BIDS**

**COASTAL TREATMENT PLANT
AUXILIARY BLOWER BUILDING ROOF IMPROVEMENTS**

**THE BIDDER SHALL EXECUTE THE CERTIFICATION AT THE END OF THE
ADDENDUM AND SHALL ATTACH THE ADDENDUM TO THE BID**

1. The new bid due date is Thursday, October 3rd at 2 pm.
2. Delete Section 07510 Built-Up Bituminous Roofing from the Technical Specifications.
3. The roofing material shall be 80 mil, single-ply PVC.

DATED: September 25, 2024


Jeanette Cotinola
Procurement and Contract Manager

BIDDER'S CERTIFICATION

I acknowledge receipt of the foregoing Addendum No. 1 and accept all conditions contained herein.

DATED: 09/25/2024

BIDDER: SS Mechanical Construction Corp.

BY: 
John Whelan, President

SOCWA				Activity ID - Bid Schedule_1				02-Oct-24 10:10													
CTP Aux Blower Maint Bldg Roofing																					
Activity ID		Activity Name		Original Duration	Remaining Duration	Start	Finish	Total Float	Calendar	Qtr 4, 2024			Qtr 1, 2025			Qtr 2, 2025			Qtr 3, 2025		
										Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	
📁 SOCWA CTP-2 Aux Blower & Maint Bldg Roofing			219	219	03-Oct-24	09-May-25	-32			▶ 09-May-25, SOCWA CTP-2 Aux Blower & Maint Bldg Roofing											
📁 SOCWA CTP-2.1 Contract			217	217	03-Oct-24	07-May-25	-30	Cal Days		▶ 07-May-25, SOCWA CTP-2.1 Contract											
📄 A1000 Bid to Owner			0	0	03-Oct-24*		-33	Cal Days	◆ Bid to Owner, 03-Oct-24*												
📄 A1010 Board Approval			70	70	03-Oct-24	12-Dec-24	-33	Cal Days	▶ Board Approval												
📄 A1020 Notice of Award			25	25	12-Dec-24	06-Jan-25	-33	Cal Days	▶ Notice of Award												
📄 A1030 Notice to Proceed			0	0	06-Jan-25*		-33	Cal Days	▶ Notice to Proceed, 06-Jan-25*												
📄 A1040 Contract Duration 90cal Days			90	90	08-Jan-25	08-Apr-25	0	Cal Days	▶ Contract Duration 90cal Days												
📄 A1050 Substantial Completion			0	0		07-May-25	-30	Cal Days	▶ Substantial Completion, 07-May-25												
📁 SOCWA CTP-2.2 Material Submittals and Procurement			100	100	06-Jan-25	16-Apr-25	-33	Cal Days		▶ 16-Apr-25, SOCWA CTP-2.2 Material Submittals and Procurement											
📄 B1000 Construction Schedules			15	15	06-Jan-25	21-Jan-25	52	Cal Days	▶ Construction Schedules												
📄 B1010 Safety Plan			15	15	06-Jan-25	21-Jan-25	52	Cal Days	▶ Safety Plan												
📄 B1020 Single-ply 80 mil PVC Roofing Material (Add 1)			30	30	06-Jan-25	05-Feb-25	-19	Cal Days	▶ Single-ply 80 mil PVC Roofing Material (Add 1)												
📄 B1030 Single-ply 80 mil PVC Roofing Material (Add 1) Approval			21	21	05-Feb-25	26-Feb-25	-19	Cal Days	▶ Single-ply 80 mil PVC Roofing Material (Add 1) Approval												
📄 B1040 Single-ply 80 mil PVC Roofing Material (Add 1) Procurement			35	35	26-Feb-25	02-Apr-25	-19	Cal Days	▶ Single-ply 80 mil PVC Roofing Material (Add 1) Procurement												
📄 B1050 07900 Joint Fillers Sealants and Caulking Submittal			30	30	06-Jan-25	05-Feb-25	-19	Cal Days	▶ 07900 Joint Fillers Sealants and Caulking Submittal												
📄 B1060 07900 Joint Fillers Sealants and Caulking Submittal Aproval			21	21	05-Feb-25	26-Feb-25	-19	Cal Days	▶ 07900 Joint Fillers Sealants and Caulking Submittal Aproval												
📄 B1070 07900 Joint Fillers Sealants and Caulking Procurement			35	35	26-Feb-25	02-Apr-25	-19	Cal Days	▶ 07900 Joint Fillers Sealants and Caulking Procurement												
📄 B1080 Pipe Supports Submittal (Add 1)			30	30	06-Jan-25	05-Feb-25	-33	Cal Days	▶ Pipe Supports Submittal (Add 1)												
📄 B1090 Pipe Supports Submittal Approval (Add 1)			21	21	05-Feb-25	26-Feb-25	-33	Cal Days	▶ Pipe Supports Submittal Approval (Add 1)												
📄 B1100 Pipe Supports Procurement (Add 1)			49	49	26-Feb-25	16-Apr-25	-33	Cal Days	▶ Pipe Supports Procurement (Add 1)												
📁 SOCWA CTP-2.3 Construction			17	17	16-Apr-25	09-May-25	-23	Work Day		▶ 09-May-25, SOCWA CTP-2.3 Construction											
📄 C1000 Mobilization			1	1	16-Apr-25	16-Apr-25	-23	Work Days	▶ Mobilization												
📁 SOCWA CTP-2.3.1 Roofing System Installation			14	14	17-Apr-25	07-May-25	-23	Work Day		▶ 07-May-25, SOCWA CTP-2.3.1 Roofing System Installation											
📄 C2000 Demo and Remove Pipe Supports			1	1	17-Apr-25	17-Apr-25	-23	Work Days	▶ Demo and Remove Pipe Supports												
📄 C2010 Demo and Remove Pipe Penatrations			1	1	21-Apr-25	21-Apr-25	-23	Work Days	▶ Demo and Remove Pipe Penatrations												
📄 C2020 Concrete Repair at Roof Penatrations			5	5	22-Apr-25	28-Apr-25	-23	Work Days	▶ Concrete Repair at Roof Penatrations												
📄 C2030 Demo and Remove Existing roofing Materials			3	3	29-Apr-25	01-May-25	-23	Work Days	▶ Demo and Remove Existing roofing Materials												
📄 C2040 Install New Roofing System			5	5	01-May-25	07-May-25	-23	Work Days	▶ Install New Roofing System												
📄 C2050 ADDENDUM 1 Install (7) New Pipe Supports			2	2	01-May-25	02-May-25	-20	Work Days	▶ ADDENDUM 1 Install (7) New Pipe Supports												
📁 SOCWA CTP-2.3.3 Project Close Out			2	2	08-May-25	09-May-25	-23	Work Day		▶ 09-May-25, SOCWA CTP-2.3.3 Project Close Out											
📄 D1000 Punchlist Items			1	1	08-May-25	08-May-25	-23	Work Days	▶ Punchlist Items												
📄 D1010 Site Clean-up			1	1	08-May-25	08-May-25	-23	Work Days	▶ Site Clean-up												
📄 D1020 Demobilize			1	1	09-May-25	09-May-25	-23	Work Days	▶ Demobilize												
<div><div>Actual Level of Effort</div><div>Actual Work</div><div>Remaining Work</div></div> <div><div>Critical Remaining Work</div><div>◆ Milestone</div><div>▶ summary</div></div>				SS Mechanical Construction Corp 26561 Jacinto Drive Mission Viejo, CA 92692 (714) 847-1317 * CSL# 1027264 * DIR# 1000049566					TASK filter: All Activities <div>© Oracle Corporation</div>												

Agenda Item

6.C.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Roni Young Grant, Associate Engineer

SUBJECT: Contract Award for Coastal Treatment Plant (CTP) Personnel Building
Sewer Rehabilitation [Project Committee 15]

Overview

The existing Coastal Treatment Plant (CTP) Personnel Building sewer system has deteriorated and often causes blockage and backup. The project scope consists of the following:

1. Demolition of the existing corroded sewer system.
2. Replacement of pipe, cleanout, concrete, fittings, and clamps.

Quotes

SOCWA solicited quotes from qualified contractors through PlanetBids on October 16, 2024, and met with potential bidders for a site walk. Three quotes were received on November 5 and are summarized below in Table 1. The apparent responsive low quote is T.E. Roberts.

Table 1- Summary of Quotes

	Quote Item A -	T.E. Roberts	Drain Town Rooter	Mike Prlich and Sons
1	Mobilization/Demobilization	\$28,710.00	\$5,300.00	\$26,000.00
2	Demolition of the existing corroded ductile iron pipe, partition, wall, and two toilets	\$20,020.00	\$41,000.00	\$70,000.00
3	Replace pipe, cleanouts, concrete, fittings, and clamps	\$28,665.00	\$38,250.00	\$126,520.00
5	All other items necessary to complete the work not in Items 1 through 3	\$770.00	\$2,000.00	\$37,000.00
	Total Item A Price	\$78,165.00	\$86,550.00	\$259,520.00

Cost Allocation

The cost allocation for the construction and contingency is shown in Table 2. Staff requests a contingency of \$7,817 for a total project budget of \$85,982.

Table 2 – Cost allocation by member agency (including contingency) ¹

Agency	Percentage of Ownership	Personnel Building Sewer Rehabilitation (3525)
City of Laguna Beach	54.28%	\$46,671.03
Emerald Bay Service District	2.99%	\$2,570.86
South Coast Water District	42.73%	\$36,740.11
Total	100%	\$85,982.00

1. The updated allocations were based on the November 18th draft CTP capacity rights transfer final agreement (Agreement No.3).

Budget

The CTP Personnel Building Reconstruction (3525) has a project budget of \$471,586, and \$399,999 has been collected through June 30, 2024.

Prior Related Project Committee or Board Action (s)

This item was reviewed and discussed by the Engineering Committee on November 14, 2024. The Engineering Committee agreed with staff's recommendation.

Recommended Action: The Engineering Committee recommends that the PC 15 Board of Directors i) approve a contract with T.E. Roberts for a total of \$78,165 and ii) approve a contract contingency of \$7,817 for unknown issues discovered during construction.

REQUIRED FORM

**ATTACHMENT A
Quote Form**

QUOTE TO

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**FOR THE COASTAL TREATMENT PLANT PERSONNEL BUILDING SEWER
REHABILITATION PROJECT**

Name of Respondent: T.E. Roberts, Inc.

Business Address: 17771 Mitchell North, Irvine, CA 92614

Phone No.: 714-669-0072

**TO THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA)**

The undersigned, as Respondent, hereby certifies and declares that:

Pursuant to, and in compliance with, the Notice Inviting Quotes and the other documents relating thereto, the undersigned Respondent, being fully familiar with the terms of the Contract Documents, local conditions affecting the performance of the Contract, the character, quality, quantities, and scope of the Work, and the cost of the Work at the place where the Work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, materials, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the Contract and complete, in a workmanlike manner, all of the Work required in connection with the construction of said Work all in strict conformity with the Plans and Specifications and other Contract Documents, for the prices hereinafter set forth.

The only persons or parties interested in this Quote as principals are those named herein and that this Quote is made without collusion with any person, firm, or corporation as set forth in more detail in the Non collusion Affidavit executed herewith. Further, the undersigned proposes and agrees, if the Quote is accepted, that he/she will execute a Contract with the SOCWA in the form set forth in the Contract Documents and that he/she will accept in full payment thereof the following prices with:

SCHEDULE OF WORK ITEMS

QUOTE ITEM A: For Personnel Building Sewer Rehabilitation per these Contract Documents lump sum for each item described below:

QUOTE ITEM A1: Mobilization and demobilization, for the sum of

(\$ 28,710.00)

QUOTE ITEM A2: Demolition of the existing corroded ductile iron pipe, partition, wall and two toilets, per the Demo Plan on Sheet 5, for the sum of

(\$ 20,020.00)

QUOTE ITEM A3: Replace pipe, cleanouts, concrete, fittings and clamps per the Piping Plan on Sheet 6, for the sum of

(\$ 28,665.00)

QUOTE ITEM A4: All other items necessary to complete the work that are not described in Quote Items A1 through A3, for the lump sum of

(\$ 770.00)

ITEM A PRICE (the sum of Items A1 through A4):

(\$ 78,165.00)



SCHEDULE OF RATES FOR PERSONNEL
Effective 07-01-2024/06-30-2025

Labor Classification	Group	Rate	Anticipated Hours	Total Anticipated Cost of Hours
Project Manager	-	\$ 150.00	20.00	\$3,000.00
Superintendent	-	\$ 148.00	0.00	\$0.00
HDD Laborer (Vac Truck)	-	\$ 125.04	0.00	\$0.00
Welder	-	\$ 108.14	0.00	\$0.00
Teamster	Group 3	\$ 104.76	4.00	\$419.04
Operating Engineer (Foreman)	Group 8	\$ 140.73	16.00	\$2,251.68
Operating Engineer	Group 8	\$ 136.09	0.00	\$0.00
Laborer	Group 1	\$ 101.33	40.00	\$4,053.20
Laborer (Pipelayer)	Group 4	\$ 105.45	0.00	\$0.00
Laborer (Welder)	Group 5	\$ 106.00	0.00	\$0.00
Laborer (Foreman)	Group 5	\$ 109.10	0.00	\$0.00
Laborer (Apprentice)	Group 6	\$ 81.77	0.00	\$0.00

REQUIRED FORM

ATTACHMENT B
NON-COLLUSION AFFIDAVIT – Required Form

The undersigned declares:

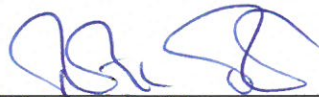
I am the President of T.E. Roberts, Inc., the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 11-5-24 [date], at Irvine [city], CA [state].

Signature: _____


Timothy Roberts

Title: _____

President

ATTACHMENT C
FORM OF CONTRACT – see note

*see separate attachment, document is in redline format; if you have any suggested changes you would like SOCWA to consider please do so directly on the separate document and submit with quote.

N/A

REQUIRED FORM

ATTACHMENT D

CONFLICT OF INTEREST AFFIDAVIT CERTIFYING NO CONFLICTS OF INTEREST

The undersigned declares:

I am the President of T.E. Roberts, Inc. ("Consultant"), the party entering into the forgoing contract.

As a California public agency, SOCWA is subject to conflicts of interest rules under the Political Reform Act ("PRA") and California Government Code Section 1090 ("Section 1090").

The PRA prohibits a public official at any level of state or local government from making, participate in making, or in any way attempt to use their official position to influence a governmental decision in which the official has a financial interest. A public official has a financial interest in a decision if it is reasonably foreseeable that the decision will have a material financial effect on the public official, a member of the public official's immediate family, or on: (a) a business in which the public official has a direct or indirect investment worth \$2,000 or more; (b) real property in which the public official has a direct or indirect interest worth \$2,000 or more; (c) any source of income of \$500 or more received within 12 months prior to the time when the decision is made; (d) a business in which the public official is a director, officer, partner, trustee, employee, or has a management position; or (e) the donor of a gift to the public official of \$250 within 12 months prior to the time when the decision is made.

Section 1090 provides that public officials and public employees may not be "financially interested" in "any contract made by them in their official capacity."

By signing below, Consultant acknowledges that it (i) has considered persons with whom it has business relationships as to the potential for such persons to have a conflict of interest, (ii) has considered the requirements and provisions of the PRA and Section 1090, (iii) certifies that it does not know of any facts which constitute a violation, or should be further investigated to prevent a violation of those provisions, and (iv) agrees that Consultant will immediately notify SOCWA if it becomes aware of any such fact at a later date.

Any person executing this declaration on behalf of a Consultant that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the Consultant.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 11-5-21 [date], at Irvine [city], CA [state].

Signature: 

Timothy Roberts

Title: President

REQUIRED FORM

REQUIRED FORM

ATTACHMENT E REFERENCES & LIST OF SUBCONTRACTORS (History and Capability)

Contractors shall provide the name, locations and a narrative statement on the work performed for a minimum of two (2) comparable contracts during the past five (5) years. A short resume on the general history and experience of the Contractor's organization shall be provided along with a statement of financial resources indicating the ability to maintain an adequate staff, equipment capable of complete and satisfactory support and performance of the contract.

Ref No.		Company Info	Work Performed
1	Company Name: Contact: Address: Phone:	San Bernardino Municipal Water District Richard Hyle 1350 South E. Street San Bernardino, CA 92408 909-659-6582	Excavated to expose 8" sewer main at Medical Center Dr. and 20th Street. Removed existing pipe and replace with 18' of new clay pipe. Backfilled and compacted. Paved a 5' x 20' x 6" section.
2	Company Name: Contact: Address: Phone:	Garden Grove Sanitary District Liyan Jin 13802 Newhope Street Garden Grove, CA 92843 714-741-5977	Potholed with vac truck to establish where the blocked area was - Block in the pipe on the 15" sewer line. Excavated trench to expose blocked line. Cut out a section of existing 15" clay pipe out and replaced with new section of pipe with repair bands.
3	Company Name: Contact: Address: Phone:	East Orange County Water District Jeff Smyth 185 N. McPherson Road Orange, CA 92869 714-538-5815	Removed and replaced 8" sewer main damaged by dry utility.
4	Company Name:	orange County water District	Jackhammered 3'x8' trench. Set hydraulic jacks to secure. Excavated and exposed 8" broken clay pipe.

Contact:	Ryan Bonley	Removed jet hose that was stuck in the hose by others.
Address:	18700 Ward Street Fountain Valley, CA 92708	Cut and removed 8" clay pipe. Replaced and repaired with SDR 26 pipe.
Phone:	209-914-5279	

List of Subcontractors

Name of Contractor T.E. Roberts, Inc.

Contractor DIR Registration # 1000000280

Contractor License # 603008

The following is a list of each subcontractor who will perform work or labor or render services to the undersigned for the construction of the project in an amount in excess of ½ of 1% of the total amount of this contract.

The undersigned agrees that any portion of the work in excess of ½ of 1% of the total amount of this contract and for which no subcontractor is designated herein will be performed by the undersigned.

SUBCONTRACTOR NAME	SUBCONTRACTOR LICENSE NUMBER	SUBCONTRACTOR DIR REGISTRATION NUMBER	SUBCONTRACTOR BUSINESS ADDRESS	DESCRIPTION OF WORK (ITEM NO.)
Morrow Trenchless	1097898	1000983613	1001 Avenida Pico Ste. C-420 San Clemente, CA 92673	Pipe Bursting Items: 2, 3

T. E. Roberts, Inc. COMPLETED PROJECTS

PROJECT NAME	DESCRIPTION	OWNER	OWNER PHONE	CONTACT NAME & EMAIL ADDRESS	ACTUAL COMPLETED AMOUNT	PERIOD OF PERFORMANCE
Lampson Ave/Springdale St Sewer Improvements	1,398' 10" PVC sewer pipeline and appurtenances with dewatering and restoration	Garden Grove Sanitary District 13802 Newhope Street Garden Grove, CA 92843	(714) 741-5977	Liyan Jin ljin@ggcity.com	\$ 2,527,230.72	5/2/2022- 7/18/2023
ID1 CRA Project #1, Construction Package #1 and Package #2	Installation of 9,437 LF of 12" and 18" sewer pipeline, open trench with a depth up to 19' with bypass and restoration; installation of (15) 60" new manholes and appurtenances.	East Orange County Water District 185 N. McPherson Road Orange, CA 92869	(714) 538-5815	Jeff Smyth jsmyth@eocwd.com	\$ 12,027,844.37	12/16/2021- 9/7/2023
Lakeview Sewer Extension	774' 8" VCP sewer main and 132 4" PVC sewer lateral with appurtenances and restoration	Yorba Linda Water District 1717 E. Miraloma Avenue Placentia, CA 92870	(714) 701-3105	Danielle Logsdon dlogsdon@ylwd.com	\$ 544,867.00	8/18/2021- 1/29/2022
Pechanga Parkway VCP Replacement	Replace damaged VCP sewerline with bypass and surface restoration	Eastern Municipal Water District 2270 Trumble Road Perris, CA 92570	(951) 928-3777	Scott Lopian lopians@emwd.org	\$ 348,743.00	2/16/2021- 7/2/2021
Bowron Road Sewer Upsize	1385' 21" PVC and 113' 8" PVC sewer main and appurtenances with dewatering and restoration	City of Poway 13325 Civic Center Drive Poway, CA 92074	(858) 668-4602	Henry Trang htrang@poway.org	\$ 1,341,433.00	6/25/2021- 10/1/2021
Regional Treatment Plant Southerly Influent Sewer Improvements	Construct VCP sewer line, CIPP existing 33" and 36" VCP sewer line with bypass, appurtenances and restoration	Moulton Niguel Water District 26161 Gordon Road Laguna Hills, Ca 92653	(949) 831-2500	Sheldon Yu syu@mnwd.com	\$ 1,146,322.00	5/14/2021- 11/24/2021
Avenida Juarez Sewer Pipeline Rehabilitation	Remove 305' 8" VCP sewer and replace with 8" PVC sewer with bypass and restoration	Coachella Valley Water District 75515 Hovley Lane East Palm Desert, CA 92211	(760) 398-2661	Jignesh Ladh jladhawala@cvwd.org	\$ 237,363.00	9/23/2019- 7/14/2020
Orange County Great Park Reach A Sewer Improvements	1,435' 18" sewer pipe in 36" casing with jack and bore across 5 fwy and upsize existing 949' 12" sewer pipe to 18" with restoration	Irvine Ranch Water District 15600 Sand Canyon Avenue Irvine, CA 92619	(949) 340-6642	Toni Lynch lynch@irwd.com	\$ 1,312,976.00	10/11/2018- 7/5/2019
New Sewer Line	32' 4" and 6" PVC sewer line	Santa Ana Unified School District 1601 E. Chestnut Avenue Santa Ana, CA 92701	(714) 480-5365	Albert Bolanos albert.bolanos@sausd.us	\$ 49,755.00	5/9/2017- 4/10/2018

REQUIRED FORM

ATTACHMENT F

Designated

Contact

Indicate in the space provided below, the designated contact individuals name and address as requested under Notification in the General Provisions Section of the Request for Quotations.

<u>SOCWA</u>	<u>Vendor</u>
Jeanette Cotinola, CPCM Procurements/Contract Manager jcotinola@socwa.com 949-324-5279	<u>T.E. Roberts, Inc., a California</u> <u>Corporation</u> <u>17771 Mitchell North</u> <u>Irvine, CA 92614</u> <u>Timothy Roberts, President</u> <u>714-669-0072, troberts@teroberts.com</u>

This form is required.

ADDENDA ACKNOWLEDGMENT

CONTRACTOR NAME: T.E. Roberts, Inc.

CONTRACTOR hereby acknowledges that it has received and read the following Addenda:

Addendum # 1 Signature 

Addendum # 2 Signature 

Addendum # _____ Signature _____

Addendum # _____ Signature _____

Addendum # _____ Signature _____

This form is required. This form must be submitted with a California All-Purpose Acknowledgment.

NONCOLLUSION DECLARATION

To be executed by Bidder and submitted with Bid.

The undersigned declares:

I am the President of T.E. Roberts, Inc. the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purposes.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 11-5-24 [date], at Irving [city], CA [state].



Signature of: President, Secretary,
Manager, Owner, or Representative

Timothy Roberts, President
Clearly Print Name and Title

*** * * END OF NONCOLLUSION DECLARATION * * ***

CALIFORNIA CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Orange)

On 11-5-24 before me, Shaylee A. Barsness, Notary Public
(here insert name and title of the officer)

personally appeared Timothy Roberts

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature

Shaylee A. Barsness

(Seal)

Optional Information

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of _____

containing _____ pages, and dated _____

The signer(s) capacity or authority is/are as:

- ☐ Individual(s)
☐ Attorney-in-Fact
☐ Corporate Officer(s) _____ Title(s) _____

- ☐ Guardian/Conservator
☐ Partner - Limited/General
☐ Trustee(s)
☐ Other: _____

representing: _____
 Name(s) of Person(s) or Entity(ies) Signer is Representing

Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:
☐ form(s) of identification ☐ credible witness(es)

Notarial event is detailed in notary journal on:
 Page # _____ Entry # _____

Notary contact: _____

Other

- ☐ Additional Signer(s) ☐ Signer(s) Thumbprint(s)
☐ _____

This form is required.


WORKER'S COMPENSATION INSURANCE CERTIFICATE

The Contractor shall execute the following form as required by the California Labor Code, Sections 1860 and 1861:

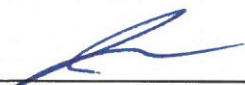
I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

October 5, 2024
Date

T.E. Roberts, Inc.
Contractor

By: 
Signature Timothy Roberts
President
Title

ATTEST:

By: 
Signature Justin Roberts
Secretary
Title



KEY PERSONNEL

Name	Title	Project Responsibilities	Availability Over Duration of the Work
Timothy Roberts	President / Principal in Charge	Oversight and operations of projects.	100%
Gilbert Hartwell	Project Manager	Planning everything from execution to delivery; managing the resource of time, and deployment deliverables; monitoring progress and conducting regular meeting.	25%
Dave Pope	Superintendent	Day-to-day operations on the construction site. Overseeing construction project progress to ensure it is following the established timeline.	100%

**Resumes are attached.*

PROPOSED SUB-CONSULTANTS

Trade	Subcontractor Name	Estimated Hours per Scope of Work	Scope of Work
<i>Pipe Bursting</i>	<i>Morrow Trenchless</i>	<i>160</i>	<i>Pipe bursting of 4" lateral piping</i>

Principal in Charge
TIMOTHY ROBERTS
General Engineering Contractor
License A, C34, #603008

RESUME

Over forty years' experience in the pipeline construction industry, performing construction management and general contractor roles. Experienced in construction, renovation, and cost estimating within commercial and residential environments. Recognized for well-developed project management skills and scheduled operational tasks that enable project completion on time and under budget. Consistently deliver quality and excellence in workmanship. Excellent safety record.

SKILLS

- | | | |
|------------------------|----------------------|-------------------------|
| • Project Management | • Cost Estimation | • Safety Emphasis |
| • Client Focus | • Communication | • Materials Expertise |
| • Tools and Techniques | • On-time Completion | • Customer Satisfaction |

EXPERIENCE

T. E. ROBERTS, INC., Orange County, CA
1999-Present
CEO and President

Chief Executive Officer and founder of successful pipeline contracting corporation. Experienced in negotiating terms for new construction projects in both private and publicly funded sectors. Manage completion of residential and commercial construction projects in a timely and professional manner. Supervise crews of skilled heavy equipment operators and general laborer personnel. Secure all required permits and contracts necessary to complete the job in accordance with government regulations. Maintain strict safety standards and procedures. Consult with clients on progress and issues. T.E. Roberts, Inc. is on multiple Select bid lists. Client referrals available upon request.

- Specializing in water, sewer and storm drains of all sizes.
- Manage value engineering process with client to ensure modifications to project specifications continue to meet project goals and client expectations.
- Received numerous accolades from clients for superior workmanship.
- OSHA Certified Competent Person
- Certified in Trench and Equipment Safety, First Aid and Confined Spaces

T.A. RIVARD, INC., Riverside, CA
Superintendent, Foreman, Equipment Operator

1983-1999

Began as an Equipment Operator and advanced to Foreman and Superintendent overseeing pipeline projects throughout Southern California.

EXCELLENT QUALITY - RELIABLE - SERVICE ORIENTED

GILBERT HARTWELL

Project Manager

RESUME

Expertise in the pipeline construction industry, operating excavators, rubber tire backhoes and loaders. Fifteen years experience as Construction Project Manager.

SKILLS

- Pipeline Construction Laborer
- Skilled in the use of pipeline construction equipment and tools
- Effectively applies methodology and enforces project standards

EXPERIENCE

T. E. Roberts, Inc., ORANGE, CA

2015 - Present

Project Manager

Echostar/ Arroyo Property Preservation

2010 - 2015

Quality Assurance/ Communications & Construction

H2O Pipeline

2007 - 2010

Project Manager/ General Manager

Ondo Construction Inc

2003 - 2007

Account Manager/ Project Manager/ General Manager

CERTIFICATIONS

- First Aid
- First Aid/CPR/AED
- 8 Hour Safety Course
- Heartsaver First Aid
- Confined Space Certificate
- Excavation Safety & Competent Person

A Sample of Projects Gilbert Has Completed With T.E. Roberts, Inc.

Owner: City of Anaheim, 200 South Anaheim Blvd., Anaheim, CA 92805

POC/Engineer: Stewart Noble 714 765-4591 SNoble@anaheim.net

Project Name: Katella Avenue Water Main Replacement/5724

Description: 2,916' 12"-16" CML/C and 3,500' 12"-16" DIP pipeline and appurtenances with restoration

Contract Award: \$6,149,187 **Completed Amount:** \$7,815,160.00

Project Awarded: 6-7-17 **Completed:** 6-10-19

Owner: Inland Empire Utilities Agency, 6075 Kimball Avenue, Chino, CA 91708

POC/Engineer: Jamal Zughbi 909 993-1698

Project Name: RP 5 Recycled Water Pipeline Bottleneck/5819

Description: Pressure Regulating Retrofit

Contract Award: \$2,023,600 **Project Awarded:** 9-20-18

Current Completion: 99% **Estimated Completion:** 1-15-20

Owner: City of Anaheim, 200 S. Anaheim Blvd, Anaheim, CA 92803

POC: Tim Flint 714 765-5271 tflint@anaheim.net

Project Name: Pressure Reducing Stations 4 & 6/5776

Description: Rehabilitation and Upgrade of Pressure Reducing Stations

Contract Award: \$547,300.00 **Self Performed:** 81%

Project Awarded: 1-22-18 **Completed:** 9-11-18

Owner: Coachella Valley Water District, 75515 Hovley Lane East, Palm Desert, CA 92211

POC: Brian Korcok 760 398-2661 bkcork@cvwd.org

Project Name: La Quinta Irrigation Distribution Improvements/5803

Description: 7,976' 24" PVC, 3,702' 18" PVC, 4,892' 12" PVC with appurtenances and restoration

Contract Award: \$5,976,810.00 **Completed Amount:** \$5,643,380.00

Project Awarded: 6-7-17 **Completed:** 8-7-19 **Self Performed:** 94%

Owner: City of Norco, 2870 Clark Avenue, Norco, CA 92860

POC/Engineer: Sam Nelson 951 270-5677 snelson@ci.norco.ca.us

Project Name: Vine Street Water Main Replacement/5818

Description: 3,310' 12" DIP and 900' 8" DIP pipeline and appurtenances with restoration

Contract Award: \$1,183,940 **Completed Amount:** \$1,061,376.28

Project Awarded: 6-26-18 **Completed:** 4-18-19

Owner: City of Anaheim, 200 South Anaheim Blvd., Anaheim, CA 92805

POC/Engineer: Luis Tapia, City Inspector 714 863-8020

LTapia@anaheim.net

Project Name: Alderdale Ave. and Maychelle Dr. Transmission Main Replacement/5719

Description: 9,000' 12" DIP and appurtenances with restoration

Contract Award: \$1,917,035 **Self Performed:** 92%

Project Awarded: 5-9-17 **Completed:** 4-10-18

DAVE POPE

Field Superintendent

RESUME

Over 30 years of experience in pipeline construction managing all aspects of construction of water, sewer and storm drains.

SKILLS

- Heavy Equipment Operator
- Skilled in the use of pipeline construction equipment and tools
- Effectively applies methodology and enforces project standards
- Qualified and experienced in supervising work crews of various sizes
- Efficiently and effectively complete projects with quality results

EXPERIENCE

T.E. Roberts, Inc.
Superintendent

2015-Present

EAR Construction Management
Superintendent

2003-2015

SJ Burkhardt Inc.
Superintendent

1994-2003

CERTIFICATIONS

- First Aid
- Confined Space
- Heartsaver First Aid
- 8 Hour Safety Course
- First Aid/CPR/AED
- Excavation Safety & Competent Person

A Sample of Projects Dave Has Completed With T.E. Roberts, Inc.

Owner: City of Anaheim, 200 South Anaheim Blvd., Anaheim, CA 92805
POC/Engineer: Stewart Noble 714 765-4591 SNoble@anaheim.net
Project Name: Katella Avenue Water Main Replacement/5724
Description: 2,916' 12"-16" CML/C and 3,500' 12"-16" DIP pipeline and appurtenances with restoration
Contract Award: \$6,149,187 **Completed Amount:** \$7,815,160.00
Project Awarded: 6-7-17 **Completed:** 6-10-19

Owner: City of Anaheim, 200 S. Anaheim Blvd, Anaheim, CA 92803
POC: Tim Flint 714 765-5271 tflint@anaheim.net
Project Name: Pressure Reducing Stations 4 & 6/5776
Description: Rehabilitation and Upgrade of Pressure Reducing Stations
Contract Award: \$547,300.00 **Self Performed:** 81%
Project Awarded: 1-22-18 **Completed:** 9-11-18

Owner: City of Whittier, 13230 Penn Street, Whittier, CA 90602
POC/Engineer: Kyle Cason (562) 567-9511 kcason@cityofwhittier.org
Project Name: Beverly Boulevard Water Main Replacement/5695
Description: 4,884' 8" PVC pipeline and appurtenances with restoration
Contract Award: \$1,124,835.00 **Self Performed:** 90%
Project Awarded: 1-25-17 **Completed:** 8-31-17

Owner: West Basin Municipal Water District, 17140 S. Avalon Blvd, #210 Carson, CA 90746
POC: Veronica Govea 310 660-6269 veronicag@westbasin.org
Project Name: Dominguez Technology Center Retrofit/5831
Description: Recycled Water Retrofit
Contract Award: \$1,043,145.00 **Completed Amount:** \$842,684.00
Project Awarded: 10-11-18 **Completed:** 7-5-19

Owner: Coachella Valley Water District, 75515 Hovley Lane East, Palm Desert, CA 92211
POC: Brian Korcok 760 398-2661 bkorcok@cvwd.org
Project Name: La Quinta Irrigation Distribution Improvements/5803
Description: 7,976' 24" PVC, 3,702' 18" PVC, 4,892' 12" PVC with appurtenances and restoration
Contract Award: \$5,976,810.00 **Completed Amount:** \$5,643,380.00
Project Awarded: 6-7-17 **Completed:** 8-7-19 **Self Performed:** 94%

Owner: City of Chino Hills, 14000 City Center Drive, Chino Hills, CA 91709
POC: Fe Rama, Senior Engineer 909 364-2776 frama@chinohills.org
Project Name: Saddle Replacement Phase 2/5896
Description: Remove and replace service saddle and corp stop with restoration
Contract Award: \$712,815 **Current Completion:** 25%
Project Awarded: 9-27-19 **Estimated Completion:** 3-24-20



APPROACH TO THE WORK

Upon execution of the contract and completion of all preconstruction requirements, T.E. Roberts, Inc. will approach the project as follows:

During the entire construction phase, plant personnel will have safe continuous access to equipment. At all times, equipment will be operated, maintained and accessed safely and we will complete the work utilizing all OSHA requirements. The project will involve the excavation of insertion and receiving pits to facilitate the installation of three pipes, which collectively measure 121 linear feet, utilizing the Pipe Bursting Method for their replacement. This process will also encompass the demolition and excavation necessary for reconnecting to the existing downstream piping system. Additionally, the installation of clean-outs will be carried out as part of the project scope. Following the completion of these tasks, surface restoration and thorough cleanup will be conducted to ensure that the site is left in a satisfactory condition. To finalize, we intend to complete all punch list items and demobilize.

It is T.E. Roberts, Inc. understanding that the Owner has provided as much information as possible based on record drawings that were found.

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

ADDENDUM No.1
TO THE CONTRACT DOCUMENTS AND SPECIFICATIONS
FOR CONSTRUCTION OF

CTP PERSONNEL BUILDING SEWER REHABILITATION

THE RESPONDANT SHALL EXECUTE THE CERTIFICATION AT THE END OF THE ADDENDUM AND SHALL ATTACH THE ADDENDUM TO THE DOCUMENTS SUBMITTED WITH THE QUOTE.

The following additions, modifications, corrections, deletions and clarifications are hereby made to the Contract Documents of the subject project:

- Sewer Encasement in Existing Footings
 - Question about the possibility of existing sewer being encased in the footings, making it impossible for the pipe bursting head to pass through. This should not be a problem. The original 1967 Plans shows the existing sewer passing below the existing footings. The bottom on footing is shown as being 16" below finished floor. Sewer elevations show the sewer to be lower than the bottom of the footing.
- Conduit under the Slab
 - Conduit under the slab, the 1983 improvement plans rerouted the plant electrical feed to another location, conductors were removed, but conduit remains. Conductors from the LA-1 panel runs under the floor to other areas. Some have been abandoned, but conduit remains.
- Chemical Truck Access Path/Trenching Plate
 - The area in front of the building is the main path for chemical delivery trucks, the respondent will be allowed to have an open-cut excavation for a maximum of 3days. For durations longer than that, the open trench must be plated and all excavation materials removed from the area between the building and the curb to allow vehicular access.

DATED: 10/29/24



Jeanette Cotinola, CPCM
Procurement/Contracts Manager

BIDDER'S CERTIFICATION

I acknowledge receipt of the foregoing Addendum No. 1 and accept all conditions contained herein.

DATED: October 5, 2024

BIDDER: T.E. Roberts, Inc.

BY: 
Timothy Roberts



BIDDERS STATEMENT OF FINANCIAL RESPONSIBILITY

T.E. Roberts, Inc., was established in 1999 and is an experienced and knowledgeable professional in underground utility construction. We have substantial expertise and skill in constructing quality work for water agencies, local municipalities, and private enterprises. Throughout the years we have accumulated equipment, resources, insurance policies, employees, and business contacts to ensure our continued success. We are financially capable and responsible of completing underground utility projects. T.E. Roberts, Inc. has never filed a petition for bankruptcy. We have adequate bonding capacity and an available Bank Line of Credit.

REFERENCES:

Bank: Sunwest Bank, 2050 Main Street, Irvine, CA 92614
Contact: Denise McCanless (714) 730-4412

Accountant: Friedman and Associates, 4040 Barranca Parkway, Suite 280
Irvine, CA 92604 Contact: Brett Friedman (714) 850-1001

Bonds: Culbertson Insurance Services, 5500 E. Santa Ana Canyon Road,
Anaheim, CA 92807 Contact: Chuck Flake (714) 921-0530

Insurance: HUB International Insurance Services, 4695 MacArthur Court, Suite 600
Newport Beach, CA 92660 Contact: Andrew Littlefair (949) 623-1048

Corporate officers are Timothy Roberts-President, Justin Roberts-Secretary,
Kimberlee Roberts-Treasures, Nicholas Roberts, and Luke Roberts-Vice
Presidents.

Upon request and within seven days T.E. Roberts, Inc. can provide a signed
financial statement, financial data or other information and references sufficiently
comprehensive to permit an appraisal of its financial condition.

Timothy Roberts, President

11-5-2024

Date

17771 Mitchell North
Irvine, CA 92614
T. 714.669.0072
F. 714.200.0241
License #603008
www.terobertsinc.com

Contractor Information

Registration History

Legal Entity Name
 T.E. ROBERTS, INC.
Legal Entity Type
 Corporation
Status
 Active
Registration Number
 1000000280
Registration effective date
 7/1/2022
Registration expiration date
 6/30/2025
Mailing Address
 17771 Mitchell North Irvine 92614 CA United States of America
Physical Address
 17771 Mitchell North Irvine 92614 CA United States of America
Email Address
Trade Name/DBA
 T.E. ROBERTS, INC.
License Number(s)
 CSLB:603008
 CSLB:603008

Effective Date	Expiration Date
6/14/2018	6/30/2019
5/5/2017	6/30/2018
5/16/2016	6/30/2017
6/24/2015	6/30/2016
7/9/2014	6/30/2015
7/1/2019	6/30/2022
7/1/2022	6/30/2025

Legal Entity Information

Corporation Number:
Federal Employment Identification Number:
President Name: Timothy Roberts
Vice President Name: Nicholas Roberts
Treasurer Name: Kimberlee Jo Roberts
Secretary Name: Justin Roberts
CEO Name: Timothy Roberts
Agent of Service Name: Timothy Roberts
Agent of Service Mailing Address: 17771 Mitchell North Irvine 92614 CA United States of America

Workers Compensation

Do you lease employees through Professional Employer Organization (PEO)? No
 Please provide your current workers compensation insurance information below:

PEO Information	PEO Name	PEO Phone	PEO Email

Insured by Carrier
Policy Holder Name: T.E. ROBERTS, INC.
Insurance Carrier: Federal Insurance Co
Policy Number: 54310282
Inception date: 9/1/2021
Expiration Date: 9/1/2022



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[Home](#) > [Contractor](#) > [Morrow Trenchless](#)

Morrow Trenchless

Contractor

Contractor business email

jennifer@morrowtrenchless.com

Contractor c ation eff date

2022-10-19

Contractor first name

Jennifer

Contractor mailing city

San Clemente

Contractor mailing state

CA

Contractor mailing zip

92672

Contractor physical city

San Clemente

Contractor physical state

CA

Contractor physical zip

92672

Contractor certify date

2022-10-19

Contractor company type

LLC

Contractor craft legacy

Laborer

Contractor craft snow

Contractor c ation exp date

2025-06-30

Contractor date deactivated

Contractor dba name

Morrow Trenchless
Contractor entity number
2.02251E+11
Contractor ID
PW-LR-1000983613
Contractor last name
Hatfield
Contractor mailing address2
Contractor physical address1
1001 Avenida Pico, C-420
Contractor physical address2
Contractor source
PWCR
Contractor wc cert date
2022-09-14
Contractor wc exp date
2023-09-14
Contractor wc policy number
9324269
Contractor wc selection
Insured by carrier
Contractor legal entity name
Morrow Trenchless
Contractor mailing address1
1001 Avenida Pico, C-420
Contractor wc carrier
Morrow Trenchless
Checked

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CONTRACTOR STATEMENTS

1. T.E. Roberts, Inc. certifies that it is not aware of any actual or potential conflict of interest that exists or may arise by executing the contract or performing the work that is the subject of this RFQ.
2. T.E. Roberts, Inc. certifies that it is willing and able to obtain all insurance required by the form contract included as Attachment C.
3. T.E. Roberts, Inc. certifies that it has conducted reasonable and diligent inquiry concerning the minimum and/or prevailing wages required to be paid in connection with the performance of the work that is the subject of this RFQ and certifies that the proposed pricing includes funds sufficient to allow respondent to comply with all applicable local, state, and federal laws or regulations governing the labor or services to be provided.
4. T.E. Roberts, Inc. acknowledges and agrees with all terms and conditions stated in the RFQ.
5. T.E. Roberts, Inc. certifies that all information provided in connection with its Quote is true, complete, and correct.

Timothy Roberts, President

Bid Results

Bidder Details

Vendor Name	Drain Town Rooter
Address	23342 Madero Suite F
	Mission Viejo, California 92691
	United States
Respondee	Anthony Beale
Respondee Title	General Manager
Phone	951-255-0404
Email	admin@draintownrooter.com
Vendor Type	
License #	

Bid Detail

Bid Format	Electronic
Submitted	11/05/2024 11:55 AM (PST)
Delivery Method	
Bid Responsive	
Bid Status	Submitted
Confirmation #	401787

Respondee Comment

Buyer Comment

Attachments

File Title	File Name	File Type
		General Attachment

Line Items

Discount Terms No Discount

Item #	Item Code	Type	Item Description	UOM	QTY	Unit Price	Line Total	Response	Comment
Section 1							\$86,550.00		
1	Quote Item A1		Mobilization and demobilization	dollars	1	\$5,300.00	\$5,300.00	Yes	power, water, sanitation/restroom, waste containment, and safety work zone.
2	Quote Item A2		Demolition of the existing corroded ductile iron pipe, partition, wall and two toilets, per Demo Plan on Sheet 5	dollars	1	\$41,000.00	\$41,000.00	Yes	in addition- saw cut and excavate concrete 5 - 4x4 pads. Saw cut and excavate 1 - 6x6 asphalt with approximately 7 to 8 feet of trenching with shoring.
3	Quote Item A3		Replace pipe, cleanouts, concrete, fittings and clamps per the Piping Plan on Sheet 6	dollars	1	\$38,250.00	\$38,250.00	Yes	in addition- remove all existing 4" failed cast iron piping and replace approximately 121 feet of 4" HDPE piping. 1 two way clean out, 3 one way clean out with traffic rated clean out covers.
4	Quote Item AA4		All other items necessary to complete the work that are not described in Quote Item A1 through A3	dollars	1	\$2,000.00	\$2,000.00	Yes	Site clean up

Line Item Subtotals

Section Title	Line Total
Section 1	\$86,550.00
Grand Total	\$86,550.00

This form is required. This form must be submitted with a California All-Purpose Acknowledgment.

NONCOLLUSION DECLARATION

To be executed by Bidder and submitted with Bid.

The undersigned declares:

I am the President off Mike Prlich and Sons, Inc. the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purposes.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 11/5/2024, at Baldwin Park, CA.



Signature of: President, Secretary,
Manager, Owner, or Representative

Michael Prlich- President
Clearly Print Name and Title

*** * * END OF NONCOLLUSION DECLARATION * * ***

This form is required.

WORKER'S COMPENSATION INSURANCE CERTIFICATE

The Contractor shall execute the following form as required by the California Labor Code, Sections 1860 and 1861:

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

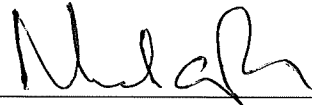
11/5/2024

Date

Mike Prlich and Sons, Inc.

Contractor

By:



Signature

President

Title

ATTEST:

By:

Signature

Title

REQUIRED FORM

**ATTACHMENT A
Quote Form**

QUOTE TO

SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

**FOR THE COASTAL TREATMENT PLANT PERSONNEL BUILDING SEWER
REHABILITATION PROJECT**

Name of Respondent: Mike Prlich and Sons, Inc.

Business Address: 5103 Elton Street, Baldwin Park CA 91706

Phone No.: 626 813 1700

**TO THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA)**

The undersigned, as Respondent, hereby certifies and declares that:

Pursuant to, and in compliance with, the Notice Inviting Quotes and the other documents relating thereto, the undersigned Respondent, being fully familiar with the terms of the Contract Documents, local conditions affecting the performance of the Contract, the character, quality, quantities, and scope of the Work, and the cost of the Work at the place where the Work is to be done, hereby proposes and agrees to perform within the time stipulated in the Contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, materials, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the Contract and complete, in a workmanlike manner, all of the Work required in connection with the construction of said Work all in strict conformity with the Plans and Specifications and other Contract Documents, for the prices hereinafter set forth.

The only persons or parties interested in this Quote as principals are those named herein and that this Quote is made without collusion with any person, firm, or corporation as set forth in more detail in the Non collusion Affidavit executed herewith. Further, the undersigned proposes and agrees, if the Quote is accepted, that he/she will execute a Contract with the SOCWA in the form set forth in the Contract Documents and that he/she will accept in full payment thereof the following prices with:

SCHEDULE OF WORK ITEMS

QUOTE ITEM A: For Personnel Building Sewer Rehabilitation per these Contract Documents lump sum for each item described below:

QUOTE ITEM A1: Mobilization and demobilization, for the sum of

(\$26,000.00)

QUOTE ITEM A2: Demolition of the existing corroded ductile iron pipe, partition, wall and two toilets, per the Demo Plan on Sheet 5, for the sum of

(\$70,000.00)

QUOTE ITEM A3: Replace pipe, cleanouts, concrete, fittings and clamps per the Piping Plan on Sheet 6, for the sum of

(\$126,520.00)

QUOTE ITEM A4: All other items necessary to complete the work that are not described in Quote Items A1 through A3, for the lump sum of

(\$37,000.00)

ITEM A PRICE (the sum of Items A1 through A4):

(\$259,520.00)

REQUIRED FORM

**ATTACHMENT B
NON-COLLUSION AFFIDAVIT – Required Form**


The undersigned declares:

I am the ✓ President of Mike Prlich and Sons, Inc, the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 11/5/2024, at Baldwin Park, CA

Signature: 

Title:

President

Bid Bond**CONTRACTOR:**

(Name, legal status and address)
Mike Prlich & Sons, Inc.
5103 Elton St.
Baldwin Park, CA 91706

Bid Bond Number: CSBA-28929

SURETY:

(Name, legal status and principal place of business)
Hartford Fire Insurance Company
440 E. Huntington Drive, Suite 317
Arcadia, CA 91006

OWNER:

(Name, legal status and address)
South Orange County Wastewater Authority
34156 Del Obispo Street
Dana Point, CA 92629

This document has important legal consequences. Consultation with An attorney is encouraged with respect its completion or modification. Any singular reference to Contractor, Surety, Owner or other party shall be considered Plural where applicable.

BOND AMOUNT: Ten Percent (10%) of Amount Bid**PROJECT:** Coastal Treatment Plant (CTP) Personnel Building Sewer Rehabilitation, RFQ 24-10-16

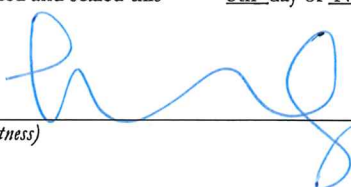
Project Number, if any:

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted here from and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.


Signed and sealed this 5th day of November, 2024


(Witness)


Mike Prlich & Sons, Inc.

(Principal)

(Title)



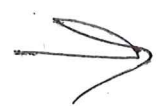
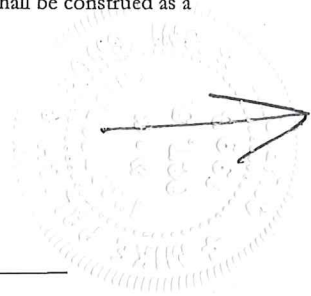
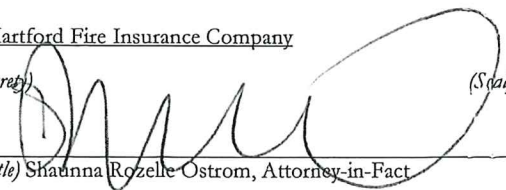
(Seal)


(Witness) Melissa Ann Vaccaro

Hartford Fire Insurance Company

(Surety)

(Title) Shaanna Rozelle Ostrom, Attorney-in-Fact



By arrangement with the American Institute of Architects, the National Association of Surety Bond Producers (NASBP) (www.nasbp.org) makes this form document available to its members, affiliates, and associates in Microsoft Word format for use in the regular course of surety business. NASBP vouches that the original text of this document conforms exactly to the text in AIA Document A310-2010, Bid Bond. Subsequent modifications may be made to the original text of this document by users, so careful review of its wording and consultation with an attorney are encouraged before its completion, execution or acceptance.

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Los Angeles)

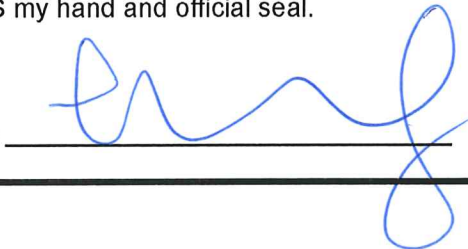
On 11/05/2024 before me, Erhong Ling, Notary Public
(insert name and title of the officer)

personally appeared Michael Prlich,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

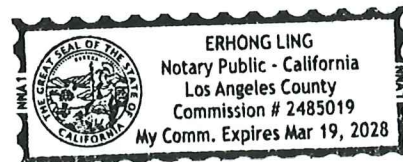
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature



(Seal)



ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Orange)

On 11/05/2024 before me, Melissa Ann Vaccaro, Notary Public
(insert name and title of the officer)

personally appeared Shaunna Rozelle Ostrom,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

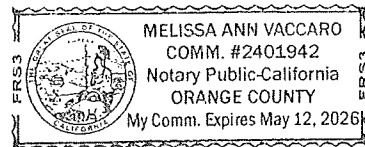
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Melissa Ann Vaccaro
Melissa Ann Vaccaro

(Seal)



THE HARTFORD

BOND, T-11

One Hartford Plaza

Hartford, Connecticut 06155

Bond.Claims@thehartford.com

call: 888-266-3488 or fax: 860-757-5835

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Name: COMM'L SURETY & BOND INS AGY/BOND

Agency Code: 72-181009

- ☒ Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- ☒ Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
- ☒ Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
- ☐ Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
- ☐ Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
- ☐ Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
- ☐ Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
- ☐ Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut, (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of Unlimited :**

Arturo Ayala, Daniel Huckabay, Adrian Langrell, Chelsea Liberatore, Frank Morones, R. Nappi, Shaunna Rozelle Ostrom, Dwight Reilly, Ben Stong, Michael D. Stong, Benjamin Wolfe of ORANGE, California

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by ☒, and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on May 23, 2016 the Companies have caused these presents to be signed by its Assistant Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



Shelby Wiggins

Shelby Wiggins, Assistant Secretary

Joelle L. LaPierre

Joelle L. LaPierre, Assistant Vice President

STATE OF FLORIDA

COUNTY OF SEMINOLE

ss. Lake Mary

On this 20th day of May, 2021, before me personally came Joelle LaPierre, to me known, who being by me duly sworn, did depose and say: that (s)he resides in Seminole County, State of Florida; that (s)he is the Assistant Vice President of the Companies, the corporations described in and which executed the above instrument; that (s)he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that (s)he signed his/her name thereto by like authority.



Jessica Ciccone

Jessica Ciccone
My Commission HH 122280
Expires June 20, 2025

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of November 5th, 2024.

Signed and sealed in Lake Mary, Florida.



Keith D. Dozois

Keith D. Dozois, Assistant Vice President

REQUIRED FORM

ATTACHMENT D

CONFLICT OF INTEREST AFFIDAVIT CERTIFYING NO CONFLICTS OF INTEREST

The undersigned declares:

I am the President of Mike Prlich and Sons, Inc. ("Consultant"), the party entering into the forgoing contract.

As a California public agency, SOCWA is subject to conflicts of interest rules under the Political Reform Act ("PRA") and California Government Code Section 1090 ("Section 1090").

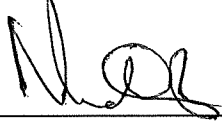
The PRA prohibits a public official at any level of state or local government from making, participate in making, or in any way attempt to use their official position to influence a governmental decision in which the official has a financial interest. A public official has a financial interest in a decision if it is reasonably foreseeable that the decision will have a material financial effect on the public official, a member of the public official's immediate family, or on: (a) a business in which the public official has a direct or indirect investment worth \$2,000 or more; (b) real property in which the public official has a direct or indirect interest worth \$2,000 or more; (c) any source of income of \$500 or more received within 12 months prior to the time when the decision is made; (d) a business in which the public official is a director, officer, partner, trustee, employee, or has a management position; or (e) the donor of a gift to the public official of \$250 within 12 months prior to the time when the decision is made.

Section 1090 provides that public officials and public employees may not be "financially interested" in "any contract made by them in their official capacity."

By signing below, Consultant acknowledges that it (i) has considered persons with whom it has business relationships as to the potential for such persons to have a conflict of interest, (ii) has considered the requirements and provisions of the PRA and Section 1090, (iii) certifies that it does not know of any facts which constitute a violation, or should be further investigated to prevent a violation of those provisions, and (iv) agrees that Consultant will immediately notify SOCWA if it becomes aware of any such fact at a later date.

Any person executing this declaration on behalf of a Consultant that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the Consultant.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on 11/5/2024, at Baldwin Park, CA

Signature:  _____

Title: President _____

_ REQUIRED FORM

REQUIRED FORM

ATTACHMENT E REFERENCES & LIST OF SUBCONTRACTORS (History and Capability)

Contractors shall provide the name, locations and a narrative statement on the work performed for a minimum of two (2) comparable contracts during the past five (5) years. A short resume on the general history and experience of the Contractor's organization shall be provided along with a statement of financial resources indicating the ability to maintain an adequate staff, equipment capable of complete and satisfactory support and performance of the contract.

Ref No.		Company Info	Work Performed
1	Company Name:	City of Los Angeles - Department of Recreation and Parks Jimmy Newsom	Remove & Replace 50LF of 6" VCP in ROW to join existing Wyer
	Contact:		
	Address:	211 N Figueroa St. Suite 350, Los Angeles CA 90012	Remove and replace 20LF of 4" COP with 4" SDR-35 pipe & Install (2) Cleanouts
	Phone:	(818) 679-1453	
2	Company Name:	City of Los Angeles - Department of Recreation and Parks	Install 25' of VCP, Install Cleanout,
	Contact:	Fernando Torres	Connect to existing Sewer Mainline,
	Address:	211 N Figueroa St. Suite 350, Los Angeles CA 90012	and resurface city ROW.
	Phone:	213-202-2707	
3	Company Name:	San Bernardino Municipal Water Department	Remove and Replace 602LF of 12" VCP, and install (1) MH,
	Contact:	Richard Hyle	
	Address:	1350 S. "E" Street, San Bernardino, CA 92402	
	Phone:	909 453 6273	
4	Company Name:	Long Beach Water Department	Remove and replace sewer chimney
			including southern lateral all the

Contact:	Mathew Cruz	way to the building and
Address:	1800 E Wardlow Road, Long Beach CA 90807	approximately 20LF of Northern Lateral.
Phone:	562 714 7698	

List of Subcontractors

Name of Contractor _____ **Mike Prlich and Sons, Inc.** _____

Contractor DIR Registration # _____ 1000006538 _____

Contractor License # _____ 760474 _____

The following is a list of each subcontractor who will perform work or labor or render services to the undersigned for the construction of the project in an amount in excess of ½ of 1% of the total amount of this contract.

The undersigned agrees that any portion of the work in excess of ½ of 1% of the total amount of this contract and for which no subcontractor is designated herein will be performed by the undersigned.

SUBCONTRACTOR NAME	SUBCONTRACTOR LICENSE NUMBER	SUBCONTRACTOR DIR REGISTRATION NUMBER	SUBCONTRACTOR BUSINESS ADDRESS	DESCRIPTION OF WORK (ITEM NO.)

REQUIRED FORM

ATTACHMENT F

Designated
Contact

Indicate in the space provided below, the designated contact individuals name and address as requested under Notification in the General Provisions Section of the Request for Quotations.


<u>SOCWA</u>	<u>Vendor</u>
Jeanette Cotinola, CPCM Procurements/Contract Manager <u>jcotinola@socwa.com</u> 949-324-5279	Kevin Dowe- Project Manager / Estimator Bids@mikeprichandsons.com 626 813 1700

This form is required.

ADDENDA ACKNOWLEDGMENT

CONTRACTOR NAME: _____ Mike Prlich and Sons, Inc. _____

CONTRACTOR hereby acknowledges that it has received and read the following Addenda:

Addendum # 1 Signature _____ 

Addendum # 2 Signature _____ 

Addendum # _____ Signature _____

Addendum # _____ Signature _____

Addendum # _____ Signature _____

Agenda Item

6.D.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors

FROM: Amber Boone, Acting General Manager

STAFF CONTACT: Jim Burror, Director of Operations
Mike Matson, Support Services Manager
Jeanette Cotinola, Procurement/Contracts Manager

SUBJECT: Contract Award for J.B. Latham Treatment Plant (JBL) Cogen Overhaul
[Project Committee 2]

Summary

The GE-Jenbacher Cogen Engine at JBL requires a substantial overhaul at 60,000 hours of service. The project costs \$410,612.50 plus shipping and taxes to be determined at the time of shipping and will be completed by Northeast – Western Energy Systems USA LLC.

Overview

Northeast – Western Energy Systems USA LLC is the only manufacturer's representative for repairs and services in the United States. The major elements of the 60,000-hour overhaul are the exchange of the engine block and an overhaul of the alternator. The work will take several weeks to complete once the parts are delivered.

Cost Allocation

The project was budgeted for \$600,000 under the large capital project 32251S in FY2024-25.

Agency	Solids Capital Allocation	Project Allocations
SCWD	41.62%	\$170,896.92
SMWD	58.38%	\$239,715.58
Subtotal	100.00%	\$410,612.50

Prior Related Project Committee or Board Action (s)

This item was reviewed and discussed by the Engineering Committee on November 14, 2024. The Engineering Committee agreed with staff's recommendation.

Recommended Action: The Engineering Committee recommends that the PC 2 Board of Directors i) award a contract to Northeast – Western Energy Systems USA LLC to overhaul the Cogen Engine at the cost of \$410,612.50 plus shipping and taxes to be determined at the time of shipping and ii) authorize a contract contingency of \$20,000.00.

Attached: Northeast – Western Energy Systems USA LLC. Proposal
Stamford Alternator Warranty Statement

Service Proposal



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NORTHEAST – WESTERN ENERGY SYSTEMS USA LLC



Date 11/8/2024

Contract: SOCWA JBL Proposal

Amendment(s): 1

Reason: Based on a meeting between SOCWA leadership, Mike Matson and David Reed, and NES-WES Leadership, Tony Coleman and Jeremy Webb, on 6 November 2024, the following revisions were made to the proposal:

- SCR Scope of Work Added SOW responsibilities for WES during the 60k (See page 39 of the proposal)
- Statement of Core Charge (See page 40)
- Delivery Address (See redline on page 4)
 - o The delivery address of the block is as follows:
 - 34156 Del Obispo St, Dana Point, CA 92629
- Spark Plugs (See redline on page 12)
 - o The plugs in the new engine will be P3s. If the factory doesn't cover, the contractor, Northeast - Western Energy Systems USA LLC will change the plugs to P3 plugs at their expense.

Person(s) Submitting: Jeremy Webb, Director of Business Development and Aftermarket Sales

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agents, representatives, officers, directors, managers, members and employees from and against all damages, losses, liabilities, obligations, costs, fines, judgments, penalties and expenses (including, but not limited to reasonable fees and charges of attorneys) (“Losses”) relating to arising out of or resulting from any claim, demand, suit or action of the other party or any third party (collectively, “Claims”) to the extent such Claims arise out of or result from the indemnifying party’s (or any of its affiliates or their respective agents, representative’s, officer’s, director’s, manager’s, member’s or employee’s): (i) breach of this Contract; or (ii) negligent or wrongful acts or omissions. The obligation to indemnify under this Section 11 shall be comparative and the indemnifying party shall not be obligated to indemnify the indemnified party to the extent that such Losses or Claims were caused by any breach of this Contract by the indemnified party or the negligence or intentional misconduct of the indemnified party.

12. **Environmental and Health & Safety.** In addition to Seller's indemnification obligations under Section 11, Seller shall indemnify, defend and hold harmless Customer and its affiliates and their respective agents, representatives, officers, directors, managers, members and employees from and against all Losses relating to or resulting from any Claims to the extent such Claims arise out of or result from the presence, discharge or release of petroleum, oil, or hazardous or toxic wastes, substances or materials (as those terms are defined in applicable federal, state and local environmental statutes, regulations and guidance documents) on the Customer's designated location(s) for the performance of Services, to the extent such substances or materials are brought to the Customer's location(s) by Seller's employees or subcontractors (if any) and such Loss or Claim is attributable to the negligence or intentional misconduct of Seller or anyone for whose acts Seller may be liable. Customer's responsibility to provide and maintain safe working conditions at the designated location(s) shall include, without limitation, implementing appropriate procedures regarding arsenic, asbestos, lead or any other waste material or hazardous substances as defined by any legislation or international convention ("Hazardous Materials") relevant or applicable to the Services as well as confined space entry affixing labels or signs containing warnings and/or safety and operation procedures and instructions as required by applicable laws and regulations. Customer shall timely advise Seller in writing of all health, safety, security and environmental requirements procedures and instructions applicable at the work site, and of the existence of any Hazardous Materials or other conditions that may affect Seller's work or personnel at the work site. Without limiting Customer's responsibilities under this Section 11, the Seller has the right, but not the obligation to, from time to time, review and inspect applicable health, safety, security and environmental documentation, procedures and conditions at the work site. If, in Seller's reasonable opinion, the health, safety, or security of personnel or the work site is, or is apt to be, imperiled by security risks, terrorist acts or threats, the presence of or threat of exposure to Hazardous Materials or unsafe working conditions, Seller and his representatives have the same responsibility and authority as Customer to stop performance of the Services and leave the designated location(s).

13. **Intellectual Property Rights.** In addition to Seller's indemnification obligations under Section 11, Seller shall indemnify, defend and hold harmless Customer and its affiliates and their respective agents, representatives, officers, directors, managers, members and employees from and against all Losses relating to or resulting from any Claims to the extent such Claims arise out of any alleged or actual claim of violation or infringement of any patent or other intellectual property rights with respect to the Goods or Services.

14. **Limitation of Liability for Seller and Customer.** Except for Losses or Claims covered by any liability insurance maintained by either party or to the extent Losses or Claims that arise out of or result from the gross negligence or willful or illegal misconduct of either party, the liability of Seller and Customer for Losses or Claims shall be limited to the purchase price for the Goods and/or Services plus any additional amounts due under this Contract. Notwithstanding any other provision in this Contract, in no event shall either the Customer or the Seller be liable to the other for consequential, special or indirect damages, including, without limitation, damages or losses in the nature of business or service interruption, loss of reputation, loss of anticipated profits or anticipated revenue, or cost of capital.

15. **Installation, Start-up and Commissioning.** Installation, start-up and re-commissioning Services are only included if specifically included in this Contract, or in a separate written agreement between Seller and Customer. In the event such Services are provided by Seller, Customer shall be responsible for securing all permits, licenses, certificates, inspections, registrations required by any Federal, state or local government agency and for the payment of all required fees.

16. **Timely Delivery of Goods and Services and Excused Delays.** Seller agrees to use best efforts to deliver the Goods and Services covered under this Contract in accordance with the agreed schedule. Seller shall have no liability for any Losses to or Claims by Customer for any failure to deliver the Goods or perform Services to Customer in accordance with the agreed schedule if such failure arises from causes beyond the reasonable control of Seller, including but not limited to, delays attributable to the Customer or Customer's other vendors, delays of suppliers or carriers, government actions, shortages of materials, fuel or power, strikes or other labor disturbances, fires, floods, acts of God, war, acts of terrorism, and the effects of civil disobedience.

17. **Scope of Supply and Changes.** Details about the scope of supply of Goods or Services will accompany these Terms as part of the order, proposal or quotation or in a separate attachment, all of which together constitute the Contract. All designs and specifications with respect to Goods sold which may have been shown in catalogues or product descriptions are subject to change without notice. As a flow down provision from the manufacturers of Goods, Seller reserves the right to change the details of any Goods provided that such change shall not impair the performance or critical dimensions of such Goods. Changes in the scope of supply of Goods and/or Services as mutually agreed or as required by changes in applicable laws, codes, rules and regulations, may result in a change in the price and delivery schedule, but require the written agreement of both Seller and Customer by change order or other amendment to this Contract.

18. **Cancellation.** Confirmed and accepted orders for Goods and/or Services may not be cancelled by Customer after acceptance by Seller unless agreed to by Seller, in which case Seller will be entitled to reasonable cancellation charges provided that Seller agrees to take reasonable steps to mitigate the costs of termination of this Contract by Seller.

19. **Interpretation.** This Contract shall be governed and interpreted according to the laws of the State in which the Goods or Services are delivered, excluding any provision of such laws that would direct the application of the laws of another jurisdiction. Customer and Seller agree that any disputes that cannot be amicably resolved by the parties or through a mutually agreed upon alternative dispute resolution method, shall be resolved only in the state or federal courts in the above described State to the exclusion of all other jurisdictions.

20. **Waiver.** The waiver by either Seller or Customer of any breach of this Contract, including these Terms, shall not be deemed to be a waiver or any subsequent breach of a like or different nature. The failure to enforce any provision of this Contract and these Terms shall not be deemed a waiver of such provision.

21. **Shipment of Goods, Risk of Loss.** If applicable and unless otherwise agreed, Seller shall bear the risk of loss of the Goods until the Goods are delivered to the common carrier, including carriers owned by controlled by Seller or notification to Customer that the Seller is ready for shipment, whichever occurs first. Thereafter, Customer shall bear the entire risk of loss of the Goods.

22. **Compliance With Applicable Laws.** Seller and Customer shall throughout the Term be in compliance with and shall comply with all applicable laws, regulations and ordinances, including without limitation export control and compliance laws, tax laws and anti-bribery & corruption laws. Each party shall have and shall maintain in effect all

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the licenses, permissions, authorizations, consents and permits that it needs to carry out its obligations under this Agreement.

23. **Entire Agreement.** These Terms, including Appendix I below and the terms of any accompanying order, quotation or scope of work, constitute the entire agreement of the parties and supersede all prior discussions, arrangements, negotiations, representations and warranties, if any, relating to the Goods or Services between the parties

LONGBLOCK **J312 - C81/C85**

Project Name	Socwa JBL - JB Latham 1
J- Number	J T452
created by	Joachim Mörl / O&R Team
date	24.10.2024



Symbol Picture

Crankshaft	Overhauled - Remachined (Undersize dimension at main and con rod pin possible)
Crankcase	Overhauled - Remachined (Oversize dimension at main bore & liner bore possible)
Main Bearings	NEW <i>size aligned to shaft & block dimensions</i>
Cylinder Liners	NEW <i>size aligned to liner bore dimension</i>
Scraper Rings	NEW
Pistons	NEW <i>Type Alu heart mould Piston ε=12,5 inclusive Piston Pin & Rings</i>
Piston Cooling Nozzles	Overhauled
Connecting Rods	Overhauled
Connecting Rod Bearings	NEW <i>size aligned to shaft dimensions</i>
Camshaft	NEW <i>Type non Miller</i>
Camshaft pick up	NEW
Cam Followers	Overhauled
Cylinderheads	Overhauled (with Oversize seat rings and valve guides possible)
Cylinderhead Gaskets	NEW
Rockers	Overhauled
Push Rods	Overhauled
Spark Plugs	NEW <i>Type P3V5.i Will be replaced with P3 Per Jeremy Webb</i>
Gear Drive	Overhauled
Gear Drive Bearings	NEW
Flywheel	Overhauled
Vibration Damper	NEW
Mechanical Water Pump	Overhauled
Oil Lubrication Pump	Overhauled
Oil Filter cartridge	NEW
Oil Cooler	Overhauled
Oil pressure regulation valve	Overhauled
Oil Sump	Overhauled
Mixture intake manifold	Overhauled
Throttle valve	Overhauled
Actuator	NEW <i>inclusive cable</i>
Knocking Sensors	NEW <i>Type KLS 90 / inclusive cables</i>
Starter	NEW - Type ISKRA
Gas Mixer housing	Overhauled <i>for TecJet</i>
Exhaust Gas Manifold	NEW
Exhaust Manifold Insulation	NEW

Turbocharger connecting parts	NEW	Type Advanced Exhaust Compensators
Turbocharger	Overhauled - Type Accelleron "Utex" Type RR131-14	
Turbocharger Insulation	NEW	
Turbobypass Valve	Overhauled	inclusive cable
Crankcase ventilation system	Overhauled	
Blow By Filter	NEW	
Intercooler	NEW	
Temperature Sensors	NEW	inclusive cables
Thermocouples	NEW	
Pressue transducer air mixture	NEW	inclusive cable
Ignition Rail with Coils	NEW	inclusive cables
Ignition Box	NEW	Type MIC 940
Gaskets & O-Rings	NEW	
Additional Services	Engine Test Run in Test frame with protocol Type plate with over-/undersize information Painting (cleaned & recoated) Preservation Lifting lugs installed and mounted on transport frame Updated Spare parts list, Wiring Diagram & Software in digital form	
Not included	Spare parts & local services Gaskets & sealing elements for onsite connection TecJet 52	
Core Return Policy	The replaced engine needs to be returned	
Core Criteria	All Core returns need to be announced prior to shipment On Time return shipment Core must be returned fully assembled Incomplete, excessively damaged, cracked, welded, corroded, machined, or non genuine parts installed get charged according to price list	
Accelleron UTEX explanation	<p>Accelleron customized Service exchange program for Jenbacher gas engines <i>Delivered turbocharger has exactly the same warranty period like a new turbocharger</i> <i>SIKO relevant parts (SIKO= "SicherheitsKOnzept" / security concept) will be replaced by</i> <i>Accelleron genuine spare parts (incl. Compressor wheel and shaft).</i> <i>All other components will be checked closely according to Accelleron working instructions.</i> <i>Technical irreproachable parts will be reused and are included in the mentioned warranty period,</i> <i>equal to new turbocharger.</i> <i>Due to the fact, that UTEX is a service product and therefore the amount of turbochargers in</i> <i>the field is still the same, UTEX turbochargers are delivered without changing the serial</i> <i>number.</i> <i>UTEX turbochargers are special product for INNIO Jenbacher Repairshop in Jenbach and are</i> <i>subject to usual Terms and Conditions.</i></p>	



Shipped To : SOUTH ORANGE COUNTY
WASTEWATER AUTHORITY
29201 LA PAZ ROAD
92677 Laguna Niguel, CA

Bill to Address : SOUTH ORANGE COUNTY
WASTEWATER AUTHORITY
34156 DEL OBISBO STREET
92629 Dana Point, CA

Quote No. 4072053-0

VAT ID:
Date : 25-OCT-2024

No.	Part Number/ Description of Goods	Quantity/ UOM
1.1	514104 O-ring..253.4.x.6	2,00 Each
2.1	259035 O- ring..247.2.x.3.5.rubber	2,00 Each
3.1	303531 Circulation pump	1,00 Each
4.1	104137 Gasket.DN50.x.1.8	2,00 Each
5.1	100065 Gasket	1,00 Each



6.1	101790 Gasket..DN80.x.2	7,00 Each
7.1	101790 Gasket..DN80.x.2	3,00 Each
8.1	148358 Gasket	1,00 Each
9.1	299170 Gasket set	1,00 Set
10.1	460182 O-ring..O-ring seat.68.34.59.x.7.94	2,00 Set
11.1	165120 O- ring..56.7.x.3.5.rubber	2,00 Each
12.1	282904 Regulator.Temperature controller.Mechanical insert.82.91	2,00 Each
13.1	299651 Valve seat ring	2,00 Each
14.1	309934 O-ring...x..rubber	2,00 Each
15.1	505738 Gasket..85.x.52.x.2	12,00 Each



16.1	100875 Gasket..78.x.42.x.2	1,00 Each
17.1	185948 Gasket..176.x.40.x.2	4,00 Each
18.1	505738 Gasket..85.x.52.x.2	1,00 Each
19.1	376483 O-ring..50.2.x.3	1,00 Each
20.1	101790 Gasket..DN80.x.2	1,00 Each
21.1	405639 Expansion vessel	1,00 Each
22.1	104134 Measure device.Measurement device	1,00 Each
23.1	406705 Measure device.Measurement device	1,00 Each
24.1	544106 Plate heat exchanger..Type2.399	1,00 Each
25.1	101790 Gasket..DN80.x.2	4,00 Each



26.1	117756 Elbow fitting	1,00 Each
27.1	635776 Metal hose	1,00 Each
28.1	309934 O-ring...x..rubber	2,00 Each
29.1	104134 Measure device.Measurement device	1,00 Each
30.1	406705 Measure device.Measurement device	1,00 Each
31.1	101193 Cylinder screw..M12.x.x.20.ST	4,00 Each
32.1	100357 Hexagonal head bolt..M20.x.75.ST	2,00 Each
33.1	100307 Hexagonal head screw..M12.x.80.ST	4,00 Each
34.1	101823 Hexagonal nut..M12.ST	4,00 Each
35.1	101855 Hexagonal nut..M20.ST	2,00 Each



36.1	101042 Pressure bolt..M12.x.50.ST.8.8	4,00 Each
37.1	259127 Rubber rail..1300.x.60.x.60	1,00 Each
38.1	304723 Rubber rail..43ShA.1300.x.60.x. .60	1,00 Each
39.1	101193 Cylinder screw..M12.x.x.20.ST	4,00 Each
40.1	100481 Hexagonal head screw..M12.x.x.60.ST	4,00 Each
41.1	101100 Rail..720.x.60.x.10	2,00 Each
42.1	101194 Washer	8,00 Each
43.1	100099 Gasket..152.x.120.x.1. 3	8,00 Each
44.1	102497 Gasket..DN250.x.1.8.	2,00 Each
45.1	221914 Hexagonal head screw..M12.x.x.16.SST	12,00 Each



46.1	334988 Hexagonal head screw..M20.x.x.80.ST	12,00 Each
47.1	128466 Hexagonal nut..M10.SST	1,00 Each
48.1	115144 Stud bolt..M10.x.x.40.SST	8,00 Each
49.1	309726 Coupling..Flange	1,00 Each
50.1	405899 Coupling..Hub	1,00 Each
51.1	273149 Coupling element..Type3	1,00 Each
52.1	101615 Cylinder screw..M16.x.x.45.ST	1,00 Each
53.1	1219676 Filter cartridge...DN100	1,00 Each
54.1	575870 Filter.filter insert for wood gas	1,00 Each
55.1	387357 Filter cartridge	1,00 Each



56.1	241403 Gasket set	1,00 Each
57.1	100615 Gasket..DN100.x.2.	12,00 Each
58.1	100947 Gasket..108.x.84.x.2	12,00 Each
59.1	194221 Gasket..108.x.80.x.2	2,00 Each
60.1	221468 O-ring	1,00 Each
61.1	100019 O-ring	2,00 Each
62.1	235027 Oil filter..Type2+3 Oil	1,00 Each
63.1	221149 Elbow fitting	1,00 Each
64.1	106946 Hose..DN25.x.500	1,00 Each
65.1	114768 Cutting ring..28.x.ST	1,00 Each



66.1	101208 Straight screw connection..DIN 2353.28	1,00 Each
67.1	316354 Union nut..M36.ST	1,00 Each
68.1	221149 Elbow fitting	1,00 Each
69.1	271618 Hose pipe.DN25.x.1000	1,00 Each
70.1	104072 Plug	1,00 Each
71.1	100924 Straight screw connection	1,00 Each
72.1	21115623 Gasket	1,00 Each
73.1	126731 Gasket..64.x.38.x.	1,00 Each
74.1	321861 Gasket..78.x.37.x.2	1,00 Each

Advanced Monitoring package for Jenbacher Type 3, 4 and 6 gas engines

Conversion, Modification & Upgrade

Product description

INNIO's* new Advanced Monitoring package enables additional diagnostic features on Jenbacher* Type 3, 4 and 6 gas engines. The package includes sensors to run predictive analytics to increase uptime and reduce lifecycle cost.

Product details

• Oil consumption measurement

A flow meter continuously measures engine oil consumption. Actual and historical measurements are visualized in the DIANE* control system. Accurate measurement of lubricating oil consumption gives maximum cost control and enables early detection of increased engine wear.

• Oil filter differential pressure sensor

Predictive analytics and condition based maintenance of the engine oil filter leads to reduced lifecycle costs and improved maintenance planning.

• Crankcase pressure sensor

Continuous monitoring of the engine crankcase pressure enables predictive analytics for early failure detection of the power unit, turbocharger and blow-by system.

• Air Filter differential pressure sensor

Enables condition based maintenance of filter elements and failure detection in case of damaged filter material.

• Intercooler differential pressure sensor

to optimize and predict cleaning intervals.

• Blow-by filter differential pressure sensor

Enables condition based maintenance of filter elements. Detection of damaged filter material and assembly issues (e.g. broken or missing O-rings).

• OEM documentation update

Changes made to the installation in course of an upgrade are updated in the P&ID, operational manual, spare parts catalog and wiring diagrams.

Customer benefits

• Increased uptime

Enhanced failure diagnostic capabilities to prevent unplanned outages.

• Improved management of spare parts and consumables

Optimized service management with predictable parts exchange.

• Condition based monitoring of key components

Calculation of remaining component lifetime leads to enhanced maintenance planning.

• Advanced Monitoring package

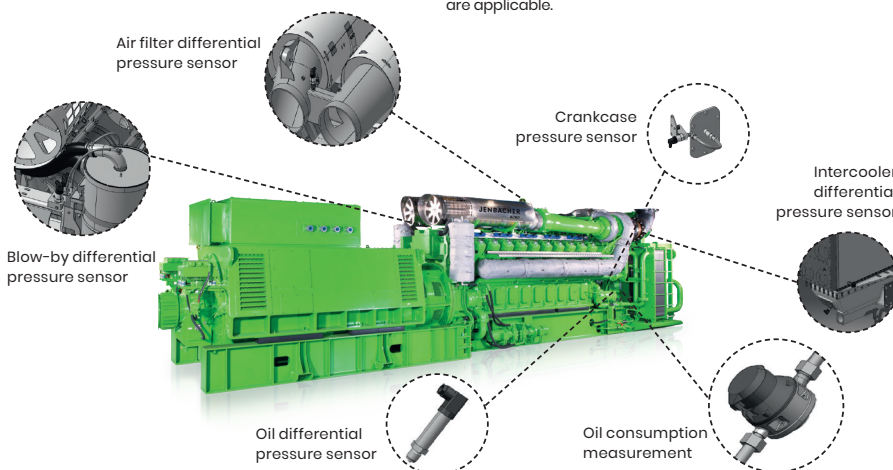
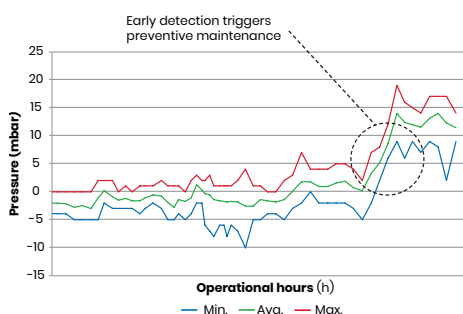
Maximize benefits by combining INNIO's RM&D solution & predictive analytics.

Applicable units***

Type 2**		Type 4**	✓
Type 3**	✓	Type 6**	✓

** Oil counter applicable for all platforms

*** All sensors are available for control system DIANE XT4. For DIANE XT and XT3 only oil differential pressure sensor, oil consumption measurement and crankcase pressure sensor are applicable.



INNIO* is a leading solutions provider of gas engines, power equipment, a digital platform and related services for power generation and gas compression at or near the point of use. With our Jenbacher* and Waukesha* product brands, INNIO pushes beyond the possible and looks boldly toward tomorrow. Our diverse portfolio of reliable, economical and sustainable industrial gas engines generates 200 kW to 10 MW of power for numerous industries globally. We can provide life cycle support to the more than 48,000 delivered gas engines worldwide. And, backed by our service network in more than 100 countries, INNIO connects with you locally for rapid response to your service needs. Headquartered in Jenbach, Austria, the business also has primary operations in Welland, Ontario, Canada, and Waukesha, Wisconsin, US.

Find your local support online: www.innio.com/en/company/providers

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*Indicates a trademark

Serial Number - A15F276860

Model/Item Number - HCG64J2*216602

Item Description - AC Generator.HCG6.4.J.2.312.,None,,None,.UN1010-LIGHT.Grey - RAL7030

Order - 3326372

Item	Description
HC6 GEN	HC6 GEN
HC6-TRML CON	HC6-TRML CON Option Class
TERMCON-36	Star
Model Price	Model Price Item
HC6-TERM ENCL	HC6-TERM ENCL Option Class
660-TE0021	TERM ENCL - STD DIGITAL
HC6-ROTOR	HC6-ROTOR Option Class
A046L133	RTR,F6,J 4P,2B
HC6-LABEL	HC6-LABEL Option Class
450-LB1004	LABEL SET UL1446+CE+CSA (S-A)
HC6-M or P TRANS	HC6-M or P TRANS Option Class
FF-CT501	2CT/PH 1500/5 15VA 10P10/1FS5
HC6-AUX BRACKET	HC6-AUX BRACKET
FF-AT001	STD AUX TERM BRKT
HC6-LIFT OPT	HC6-LIFT OPT Option Class

660-1318	KIT,FRAME LIFTING - INTEGRAL
HC6-STATOR	HC6-STATOR Option Class
A050T857	STR,F6,J,126G,4P,3RTD
HC6-BASE BUILD	BASE BUILD
660-11679	INSTLN,GEN BASE M/C-2Brg REGRS
HC6-AVR LOC	HC6-AVR LOC Option Class
AVRLOC-37	LOC,AVR
HC6-TEMP SENS	HC6-TEMP SENS Option Class
660-MA2031	Rtds 2/Ph Rtds NDE&DE
HC6-STATOR FIX	HC6-STATOR FIX Option Class
664-403	HC6 4P J STATOR FIXING
HC6-STR ENCL	HC6-STR ENCL Option Class
660-10829	HC6 GHJK FRAME NO H/BARS
HC6-TERM INTNL	HC6-TERM INTNL Option Class
A050F201	MAIN TERM,F6 MN DP,6E
HC6-NDE COMPS	HC6-NDE COMPS Option Class
A052E691	NDE ASSY,F6,1+2B,EPXY TAPD
HC6-REG CONTRL	HC6-REG CONTRL Option Class
A050F748	REG CTRL,UTRL 1010-L,F6,600V
HC6-HEATER	HC6-HEATER Option Class

660-AH01	HEATER 260V/360W (NOM)
HC6-PAINT	HC6-PAINT Option Class
450-PNT0037	PAINT PRIMER GREY - RAL7030
HC6-PMG	HC6-PMG Option Class
450-PMG0031	HC6, 4-POLE PMG (DIGITAL)
HC6-ENCL PRO	HC6-ENCL PRO Option Class
660-EP41	IP23 (IND) 2B
HC6-NAMEPLATE	HC6-NAMEPLATE Option Class
450-NP1018	NAMEPLATE,JENBACHER DEUTZ,SA
HC6-COUPLING	HC6-COUPLING Option Class
660-CP0001	KEY 2B SHAFT 110D x 210L HC6
HC6-REG TRANS	HC6-REG TRANS Option Class
A048T546	REG TFRMR,BAR TYPE,440.0
HC6-ADAPTOR	HC6-ADAPTOR Option Class
660-AP0000	NO ADAPTOR 2B HC6

NORTHEAST – WESTERN ENERGY SYSTEMS USA LLC

COMMUNICATIONS MANAGEMENT PLAN

**SUBMITTED BY: TONY COLEMAN
VICE PRESIDENT OF PRODUCT SUPPORT
NORTHEASTERN-WESTERN ENERGY SYSTEMS USA LLC**

**APPROVED BY: AL CLARK
CEO AND MANAGING DIRECTOR
NORTHEASTERN-WESTERN ENERGY SYSTEMS USA LLC**

DATE: 10/20/2024

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INTRODUCTION

The purpose of the Communications Management Plan is to define the communication requirements for the ongoing operations and maintenance of the Northeast -Western Energy Systems USA LLC customers. Additionally, this will define how information will be distributed between [**Customer Name Here**] and Northeast -Western Energy Systems USA LLC.

This Communications Management Plan defines the following:

- What information will be communicated—to include the level of detail and format.
- How the information will be communicated—in meetings, email, telephone, web portal, etc.
- When information will be distributed—the frequency of project communications both formal and informal
- Who is responsible for communicating project information
- Communication requirements for all project stakeholders
- What resources the project allocates for communication
- How any sensitive or confidential information is communicated and who must authorize this
- How changes in communication or the communication process are managed
- The flow of project communications
- Any constraints, internal or external, which affect project communications
- Any standard templates, formats, or documents the project must use for communicating
- An escalation process for resolving any communication-based conflicts or issues

This Communications Management Plan sets the communications framework for all customers under contractual agreement. It will serve as a guide for communications throughout the life of the project and will be updated as communication needs change. This plan identifies and defines the roles of persons involved in this project. It also includes a communications matrix which maps the communication requirements of this project, as well as an in-depth guide for conducting meetings detailing both; the communications rules and how the meetings will be held, thus ensuring productive meetings. A directory is also included in this communication plan to provide contact information for all stakeholders directly involved in the project. Ultimately, this plan is intended to enhance relations between Northeast – Western Energy Systems USA LLC and its customers.

COMMUNICATIONS MANAGEMENT APPROACH

The Northeast – Western Energy Systems USA LLC Operations Team will take a proactive role in ensuring effective communications throughout the lifecycle of the business relationship. The communications requirements are documented in the Communications Matrix presented in this document. The Communications Matrix will be used as the guide for what information to

communicate, who is to do the communicating, when to communicate it, and to whom to communicate the information to.

Much like any long-term business relationship, updates or changes may be required as the project progresses. These changes or updates may be required due to changes in personnel, scope, budget, or other reasons. Additionally, updates may be required as the project matures and additional requirements are needed. The Northeast – Western Energy Systems USA LLC Operations Team is responsible for approving all proposed changes to the communications management plan. Once the change is approved, the Operations Team will update the plan with supporting documentation, note the revisions and will then distribute the updates to all stakeholders. This methodology will ensure that all stakeholders have the most recent revisions to the communications management plan.

COMMUNICATIONS MANAGEMENT CONSTRAINTS

All communication activities will occur in accordance with the frequencies detailed in the Communication Matrix to ensure the project adheres to all contractual and schedule constraints. Any deviation of these timelines may result in excessive costs or schedule delays and must be approved and escalated in accordance with the escalation path called out in this communication plan.

When applicable, standardized formats and templates must be used for all communications. This includes, but not limited to communication of the following:

- Lube oil analysis results (History, Trends, Areas of improvement)
- Monthly reporting (shutdowns, current asset status)
- Services Rendered (All scheduled and unscheduled services)
- Operations Management/Operator correspondence
- Service Requests
- Updated Technical Literature (Service Bulletins)

The details of these policy requirements are provided in the section titled “Standardization of Communication” in this document.

Additionally, only the Vice President of Product support or CEO may authorize the distribution of confidential information. The Operations Team is responsible for ensuring that approval is requested and obtained prior to the distribution of any confidential information regarding this project.

STAKEHOLDER COMMUNICATION REQUIREMENTS

As the stakeholders have already been identified in this relationship, the Operations Team will communicate with each stakeholder to determine their preferred frequency and method of

communication. **Regardless of choice, all verbal communication is to be followed up with an email to recap the communication between the parties involved. This ensures alignment and provides immediate opportunities to address any concerns or miscommunication.** The Operations Team is to be included in this email. The email address is **[email address for the operations team (coast specific)]**

This feedback will be maintained by the Operations Team in the specific stakeholder register on the Northeast-Western Energy Systems USA LLC SharePoint site. Standard project communications will occur in accordance with the Communication Matrix; however, depending on the identified stakeholder communication requirements, individual communication is acceptable and within the constraints outlined for this project, so long as this communication is recapped in an email. Thus, any misunderstandings or misgivings can be immediately addressed.

In addition to identifying communication preferences, stakeholder communication requirements must identify the project's communication channels and ensure that stakeholders have access to these channels. If project information is communicated via secure means or through internal company resources, all stakeholders must have the necessary access to receive project communications.

ROLES

Project Sponsor

The project sponsor is the champion of the project and has authorized the project by signing the project charter. Since the Project Sponsor is at the executive level communications should be presented in summary format, unless the Project Sponsor requests more detailed communications. In this communication plan, the project sponsors are: **[Vice President/CEO/Director Names Here (This should be NES-WES Names)]**

Customer

The customer for this project is **[Customer Name]**. As the customer who will be accepting the final deliverable of all services throughout the lifecycle, they will be informed of the assets status including potential impacts to the assets for the final deliverable or the product itself in accordance with the communication matrix.

Project Manager

The Northeast-Western Energy Systems USA LLC Operations Team assumes all project management responsibilities and has overall responsibility for the execution of the communication plan. The Operations Team manages day to day scheduling of services, provides operational and maintenance guidance, and monitors and reports on the assets metrics as defined in the contract. As the person responsible for the oversight of the assets; the Operations Team is

the primary communicator and responsible for the continued development of the relationship. Additionally, they are responsible for ensuring information is distributed in accordance to this Communications Management Plan.

PROJECT TEAM DIRECTORY

The following table presents contact information for all persons identified in this communications management plan. The email addresses and phone numbers in this table will be used to communicate with these people.

Role	Name	Title	Organization	Email	Phone
VP, Product Support	Tony Coleman	VP	NES-WES	tcoleman@nes-wes.com	562.457.1507
GM, Parts and Service	Noe Zepeda	GM	NES-WES	nzepeda@nes-wes.com	484.332.2311
Key Ops Personnel			NES-WES		
TBD Customer Contact			Customer		
TBD Customer Contact			Customer		
TBD Customer Contact			Customer		

[If addition lines/contacts are needed, simply right click in the cell and choose “insert”. Then “insert rows above” or “insert rows below” to add rows to the above directory. All language within these brackets should be deleted before this plan is executed]

COMMUNICATION METHODS AND TECHNOLOGIES

The Operations Team will ensure all communication is documented, in accordance with the communication requirements outlined in this plan.

Northeast – Western Energy Systems USA LLC maintains a SharePoint platform within the organization which all material relating to ongoing relationships will be stored. All reports are to include service bulletins, oil reports, monthly status reports, service reports, and change updates, which will be emailed to the [Customer Name and Contact Title]. Invitations for correspondence will be open and documented at all time. This platform enables senior management, as well as stakeholders with compatible technology, to request access, know the asset status and monitor communications at any time. Documenting all correspondence also provides the ability for stakeholders and the asset team members to foster an environment of continuous improvement and collaboration.

COMMUNICATION MATRIX

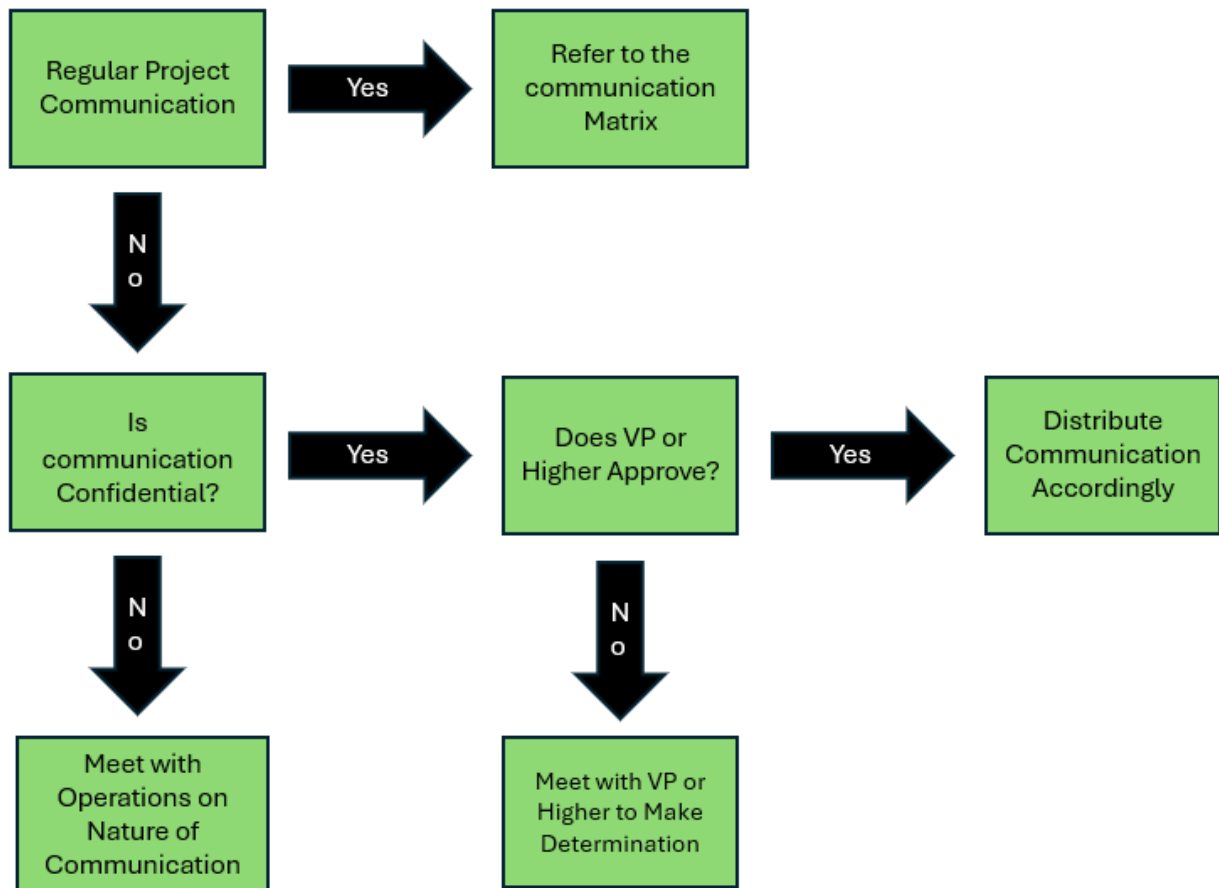
The following table identifies the communications requirements for this project.

Communication Type	Objective of Communication	Medium	Frequency	Audience	Owner	Deliverable	Format
Kickoff Meeting	Introduce the Operations Team and the processes. Review project objectives and management approach.	Via Teams	Once	Customer Contact Technical Support Service Operations	Operations	Agenda Communication Plan	Soft copy archived on project SharePoint site and sent to the customer
Project Team Meetings	Review status of Services, Assets, and Areas of improved service support	Face to Face Via Teams	Quarterly	Operations and Technical Support Customer Contact Customer Contact	Operations	Agenda Other TBD	Soft copy archived on project SharePoint site and sent to the customer
Monthly Operational Report	Report on the status of the current operational condition of each asset and the plant	Email Report Conference Call	Monthly	Customer Contact Customer Contact Operations and Technical Support	Operations	Agenda Assets Status Contracts Status	Soft copy archived on project SharePoint site and sent to the customer

[The above can be edited by simply clicking in the cell. Highlights show what should be changed. This language should be deleted before the plan is executed]

COMMUNICATION FLOWCHART

The communication flowchart below was created to aid in project communication. This flowchart provides a framework for all stakeholders to follow. However, there may be occasions or situations which fall outside of the communication flowchart where additional clarification is necessary. In these situations, the Operations Team is responsible for discussing communication with the Vice President of Product Support and deciding on how to proceed.



GUIDELINES FOR MEETINGS

Meeting Agenda

All meeting agendas will be distributed 5 business days in advance of the meeting. This will give all stakeholders adequate time to bring any issues to the attention of the meeting sponsor to have them added to the action items.

Action Items

Action Items are recorded in the meeting agenda. Action items will include both the action item along with the owner of the action item. Meetings will start with a review of the status of all action items from previous meetings and end with a review of all new action items resulting from the meeting. The review of the new action items will include identifying the owner for each action item.

Meeting Chair Person

The Northeast – Western Energy Systems USA LLC Operations Team will act as the chairperson, and is responsible for distributing the meeting agenda, facilitating the meeting and distributing the meeting minutes. The Operations Team will ensure that the meeting starts and ends on time and that all presenters adhere to their allocated time frames.

COMMUNICATION STANDARDS

For this relationship, Northeast – Western Energy Systems USA LLC will utilize email for all formal communications. As stated previously; **Those times when communication is made by phone, it will be followed up with an email to recap.**

Monthly Status Reports – The Operations Team will utilize a standard template created by the technical services engineer and the technical service managers after meeting with the **[Title and Name of The Customer]**. All items addressed in the report will end with collaborative agreement between both organizations.

Informal project communications should be professional and effective, but there is no standard template or format that must be used.

COMMUNICATION ESCALATION PROCESS

Effective and timely communication is the key to all successful relationships. As such, all disputes, conflicts, or discrepancies regarding project communications or service operations must be resolved promptly to facilitate the continued development of the business relationship and the schedule, ensure the correct communications are distributed, and prevent any ongoing

difficulties. Northeast - Western Energy Systems USA LLC strives to resolve issues at the lowest level possible to ensure continued growth. Penn Power Group will use a standard escalation model to provide a framework for escalating communication issues. The table below defines the priority levels, decision authorities, and timeframes for resolution.

Priority	Definition	Decision Authority	Timeframe for Resolution
Priority 1	Major impact to project or business operations. If not resolved quickly there will be a significant adverse impact to revenue and/or schedule.	Vice President	Within 4 hours
Priority 2	Medium impact to project or business operations which may result in some adverse impact to revenue and/or schedule.	General Manager	Within one business day
Priority 3	Slight impact which may cause some minor scheduling difficulties with the project but no impact to business operations or revenue.	Service Manager	Within one business days

Note: Any communication including sensitive and/or confidential information will require escalation to the Vice President of Product Support level or higher for approval prior to external distribution.

SPONSOR ACCEPTANCE

Approved by the Project Sponsor:

_____ Date: _____

Acknowledgement by the Customer **[Customer Name and Title of Signing Authority]**:

_____ Date: _____

NORTHEAST – WESTERN ENERGY SYSTEMS USA LLC



[Amendments; see following pages for additions to the proposal]

Amendment: Section 3. Definition of Project

3. Definition of Project:

SCR

- Remove door and stripping
- Remove bricks, labeling rows as disassembly occurs
- Clean bricks, replacing as needed
- Reassemble bricks, assembly will occur in a manner that rotates the bricks so that the ones closest to the engine (where the exhaust enters the SCR) are rotated toward the exit point of the SCR. Subsequently the bricks at the end of the SCR will be rotated to the point of entry for the exhaust entering the SCR.
- Upon reassembly, new stripping will be supplied along with new hardware as needed for the door
- Reinstall the door
- Recommissioning of the SCR and validation of field repair(s)/cleaning will occur at the overall commissioning of the package
- Turn unit over to the customer

NORTHEAST – WESTERN ENERGY SYSTEMS USA LLC

11/8/2024

To Whom it May Concern:

The purpose of this letter is to better explain the language relating to the shipping, rigging, and core charges called out on page 3 of the proposal. Also shown here:

Any work outside of the scope, will require a change order and new proposal to be considered.

No rigging, transportation of core to the factory, or crane cost services have been considered in this proposal. Storage, machine rental, or transportation costs have also not been considered. A core charge of \$84,545 will be invoiced if the return of the old engine ("Core") is not executed according to the following criteria:

- **All Cores must be returned within 3 months upon delivery of the overhauled equipment.**
- **All Core returns must be announced and need proper Jenbacher core return tag.**
- **Contractor's guidelines for core return shipments must be followed.**
- **All Cores must be returned fully assembled.**
- **All return shipping cost, customs duties and taxes shall be borne by the Customer.**

While the customer is ultimately responsible for returning the core per the specifications, Northeast – Western Energy Systems USA LLC will partner with the SOCWA team to ensure that the core is returned as Jenbacher expects. The above language was added to our proposals because we had customers who unfortunately didn't share the collaborative relationship that SOCWA and NES-WES share, and ultimately, NES-WES was held liable.

We do not expect that to occur and look forward to supporting a successful long block exchange.

Should any further questions or concerns regarding this language or how the process works, please contact me or Tony Coleman. My contact information is below, Tony Coleman can be reached at tcoleman@nes-wes.com or 951.760.1505.

Respectfully submitted,

Jeremy Webb



Warranty Statement

CGT STAMFORD Alternator

Limited Warranty

STAMFORD Alternator

This limited warranty applies to all Cummins Generator Technologies® STAMFORD branded alternators and associated accessories (hereinafter referred to as "Product").

This warranty covers any failures of the Product, under normal use and service, which result from a defect in material or factory workmanship.

Warranty Period:

Continuous or Prime power service describes operation in a permanent or mobile application where no other source of power is generally available. The warranty coverage period is 12 months from the date of start-up by the first owner or user, or 18 months after date of shipment by Cummins Generator Technologies®, whichever occurs first.

Standby or Emergency Alternators must be permanently installed, properly enclosed and ventilated, and used as back-up to normal power source. The warranty coverage period is 24 months from date of start-up by first owner or user, or 30 months after date of shipment by Cummins Generator Technologies®, whichever occurs first; or 1000 hours of operation, limited to a maximum of 500 hours per year for 2 years, whichever occurs first.

Marine designated Alternators receive warranty coverage period 12 months from date of start-up by first owner or user, or 36 months after date of shipment by Cummins Generator Technologies®, whichever occurs first.

Base Warranty Coverage Duration (Whichever occurs first)

Application	Months after start-up	Months after Factory Ship date	Max. Hours
Continuous/prime	12	18	unlimited
Standby/Emergency	24	30	1000 hrs
Marine	12	36	unlimited

Cummins Generator Technologies®

Responsibilities:

In the event of a failure of the Product during the warranty period due to defects in material or workmanship, Cummins Generator Technologies® will be responsible only for the following costs:

- Parts and labor required to repair the Product (or at the Company's sole option, to replace the defective Product). The Company will not be responsible for any costs related to removing or reinstalling the Product, or for any duties or taxes associated with transporting the Product. Replacement Product will assume the remainder of Product warranty period or for a period of one year, whichever occurs first.
- Reasonable travel expense to and from the Product site location.
- Maintenance items that are contaminated or damaged by a warrantable failure.

Owner Responsibilities:

The owner will be responsible for the following:

- Notifying a Cummins Generator Technologies® representative, within 30 days of the discovery of failure. (Representative details can be located on the Company website at www.stamford-avk.com).
- Installing, operating, commissioning and maintaining the Product in accordance with Cummins Generator Technologies® published policies and guidelines.
- Providing evidence for date of commissioning.
- Providing sufficient access to and reasonable ability to remove the Product from the installation in the event of a warrantable failure.
- Referring to the Fault Finding Manual (located on the Company website at www.stamford-avk.com), in the event of a failure or malfunction before initiating a warranty claim.

In addition, the owner will be responsible for:

- Costs and expenses associated with Product removal and reinstallation, or any duties and taxes associated with transporting the Product.
- Costs associated with rental of alternator used to replace the Product being repaired.
- Costs associated with labor overtime and premium shipping requested by the owner.
- All downtime expenses, fines, all applicable taxes, and other losses resulting from a warrantable failure.
- Costs associated with any non-warrantable failure

Limitations:

This limited warranty does not cover Product failures resulting from:

- Inappropriate use relative to designated power rating.
- Inappropriate use relative to application guidelines. Please be aware of maximum kVA rating per Alternator Specifications by Application.
- Failures due to normal wear, corrosion, moisture, lack of reasonable and necessary maintenance, unauthorized modifications and/or repair, and use of add-on or modified parts.
- Improper and/or unauthorized installation.
- Owners or operator's negligence, accidents or misuse.
- Non-compliance with any Cummins Generator Technologies® published policy and conditions.
- Use of improper or contaminated lubricants.
- Improper storage before and after commissioning.
- Owners delay in making Product available after notification of potential Product problem.
- Replacement parts and accessories not authorized by Cummins Generator Technologies®.
- Owner or operator abuse or neglect such as: operation without adequate lubricants; over-speeding; lack of maintenance to lubricating, cooling or air intake systems; late servicing and maintenance; improper storage, starting, warm-up, run-in or shutdown practices.
- Progressive damage resulting from a defective shutdown or warning device not provided by Cummins Generator Technologies®.
- Damage to engine, parts, fixtures, housings, attachments and accessory items that are not part of the alternator.
- Damage caused by improper transportation after customers' receipt of Product.

This limited warranty coverage does not cover costs resulting from:

- Difficulty in gaining access to the Product.
- Damage to customer property.

Please contact your regional Cummins Generator Technologies® support contact for clarification concerning these limitations at www.stamford-avk.com

CUMMINS GENERATOR TECHNOLOGIES® RIGHT TO FAILED PRODUCTS:

Failed products claimed under this warranty shall become the property of Cummins Generator Technologies®. Cummins Generator Technologies® has the right to reclaim any failed product that has been replaced under warranty.

Extended Warranty:

Cummins Generator Technologies® offers several levels of extended Warranty Coverage. Please contact Cummins Generator Technologies® for details.

THE WARRANTIES SET FORTH HEREIN ARE THE SOLE WARRANTIES MADE BY CUMMINS GENERATOR TECHNOLOGIES® IN REGARDS TO THE PRODUCT. CUMMINS GENERATOR TECHNOLOGIES® MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, OR OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT IS CUMMINS GENERATOR TECHNOLOGIES® LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This limited warranty shall be enforced to the maximum extent permitted by applicable law. This limited warranty gives the owner specific rights that may vary from state to state or from jurisdiction to jurisdiction.

Product Model Number: _____

Product Serial Number: _____

Date in Service: _____



www.stamford-avk.com

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Agenda Item

7.A.

Board of Directors Meeting

Meeting Date: December 12, 2024

TO: Board of Directors
FROM: Amber Boone, Acting General Manager
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:

- Attended All Managers' meetings regarding the exit of MNWD.

Regional Treatment Plant Records Transfer Request Process Completion

In the August 8, 2024, SOCWA General Manager's report, staff provided a three-phase approach to transfer related documents and databases (records) as needed/requested to support agreement language drafting and transfer of the Regional Treatment Plant to the Moulton Niguel Water District (MNWD). In Phase 1 and Phase 2, electronic and hard copy records were identified, collected into central repositories, and then transferred to MNWD staff. In Phase 3, MNWD began verification of receipt of all needed records. SOCWA staff will continue to work with MNWD for any additional items needed for the completion of the RTP transfer.

Commendations

- Resolution No. 2024-11 Commendation Honoring Matt Collings
- Resolution No. 2024-12 Commendation Honoring Derek Padilla
- Resolution No. 2024-13 Commendation Honoring Bill Paddock
- Resolution No. 2024-14 Commendation Honoring David Reed
- Resolution No. 2024-15 Commendation Honoring Jason Protopappas
- Resolution No. 2024-16 Commendation Honoring James Ranahan

Final 2025 Annual Meeting Calendar

Attached is the final 2025 Annual Meeting Calendar for Board review. Also, note the following revision(s):

- 2025 Conference Dates for the CASA Annual Conference are July 30, 2025, through August 1, 2025.

RESOLUTION NO. 2024-11

**A RESOLUTION OF COMMENDATION ADOPTED BY
THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**COMMENDATION TO MATT COLLINGS FOR PROVIDING DEDICATED SERVICE
TO SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND
RESIDENTS OF SOUTHERN ORANGE COUNTY FOR THE PERIOD OF
APRIL 2016 TO DECEMBER 2024**

WHEREAS: South Orange County Wastewater Authority (SOCWA) facilitates and manages the collection, transmission, treatment, reuse, and disposal of wastewater for more than 500,000 homes and businesses across South Orange County.

WHEREAS: Matt Collings began his eight+ years of service on the SOCWA Board of Directors in April 2016.

WHEREAS: During his tenure, Matt Collings served as the Vice Chair from September 2020 and as Board Chair from April 2021 to June 2024 and oversaw a number of critical issues for SOCWA, including a commitment to a higher level of service to the SOCWA member agencies.

WHEREAS: Matt Collings has provided SOCWA with insight, engineering, and financial expertise to guide policies and decision-making. His knowledge and expertise have been a tremendous resource for Board Members and SOCWA employees.

WHEREAS: Matt Collings has contributed significantly to SOCWA's success and is well-regarded by SOCWA staff and the Board of Directors.

THEREFORE, BE IT RESOLVED: That the Board of Directors of SOCWA and on behalf of the member agencies of SOCWA does hereby commend Matt Collings for his dedicated service and commitment to the mission of the South Orange County Wastewater Authority.

PASSED AND ADOPTED, AND SIGNED by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California, on the 12th day of December 2024.

(Seal)

Frank Ury, Board Chair

Amber Boone, Acting General Manager, and
Board Secretary

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing Resolution No. 2024-11 was duly adopted by the SOCWA Board of Directors at their Board Meeting held on the 12th day of December 2024 and that it was so adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: December 12, 2024

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

(Seal)

STATE OF CALIFORNIA)
) ss.
COUNTY OF ORANGE)

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing is a full, true, and correct copy of Resolution No. 2024-11 of said Board and that the same has not been amended or repealed.

Dated the 12th day of December 2024.

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

(Seal)

RESOLUTION NO. 2024-12

**A RESOLUTION OF COMMENDATION ADOPTED BY
THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**COMMENDATION TO DEREK PADILLA FOR PROVIDING DEDICATED SERVICE TO
THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND THE RESIDENTS OF
SOUTHERN ORANGE COUNTY FOR THE PERIOD OF
JUNE 2014 TO DECEMBER 2024**

WHEREAS: South Orange County Wastewater Authority (SOCWA) facilitates and manages the collection, transmission, treatment, reuse, and disposal of wastewater for more than 500,000 homes and businesses across South Orange County.

WHEREAS: Derek Padilla began his ten+ years of service to South Orange County Wastewater Authority (SOCWA) as a Maintenance Mechanic I. In 2017, went through the ranks up to Maintenance Mechanic III. During this time, Derek has worked at all three treatment plants.

WHEREAS: During Derek's tenure with SOCWA, he has worked at all three treatment plants. He has instilled a client-based attitude in working with the member agencies and staff to always remain helpful and have an attitude of service.

THEREFORE, BE IT RESOLVED that the Board of Directors of the South Orange County Wastewater Authority and on behalf of the member agencies of SOCWA does hereby commend Jason Protopappas for his dedicated 10 years of service and commitment to the mission of the South Orange County Wastewater Authority.

PASSED AND ADOPTED, AND SIGNED by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California, on the 12th day of December 2024.

(Seal)

Frank Ury, Board Chair

Amber Boone, Acting General Manager, and
Board Secretary

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing Resolution No. 2024-12 was duly adopted by the SOCWA Board of Directors at their Board Meeting held on the 12th day of December 2024 and that it was so adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: December 12, 2024

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

(Seal)

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing is a full, true, and correct copy of Resolution No. 2024-12 of said Board and that the same has not been amended or repealed.

Dated the 12th day of December 2024.

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

(Seal)

RESOLUTION NO. 2024-13

**A RESOLUTION OF COMMENDATION ADOPTED BY
THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**COMMENDATION TO WILLIAM PADDOCK FOR PROVIDING DEDICATED SERVICE TO
THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND THE RESIDENTS OF
SOUTHERN ORANGE COUNTY FOR THE PERIOD OF
JUNE 2009 TO DECEMBER 2024**

WHEREAS: South Orange County Wastewater Authority (SOCWA) facilitates and manages the collection, transmission, treatment, reuse, and disposal of wastewater for more than 500,000 homes and businesses across South Orange County.

WHEREAS: William (Bill) Paddock began his 15+ years of service to South Orange County Wastewater Authority (SOCWA) as a Maintenance Mechanic I. In 2012, promoted to the Co-Gen Mechanic position and next in 2015 to the Maintenance Mechanic Supervisor

WHEREAS: During Bill's tenure with SOCWA, he has been a supportive supervisor for his-staff, committed to the betterment and encouragement of their growth in knowledge and opportunity. Bill has also been the leader in equipment training and managed the DOT program. He has instilled a client-based attitude in working with the member agencies, asking staff to always remain helpful and have an attitude of service.

THEREFORE, BE IT RESOLVED that the Board of Directors of the South Orange County Wastewater Authority and on behalf of the member agencies of SOCWA does hereby commend Bill Paddock for his dedicated service and commitment to the mission of the South Orange County Wastewater Authority.

PASSED AND ADOPTED by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California, on the 12th day of December 2024.

(Seal)

Frank Ury, Board Chair

Amber Boone, Acting General Manager, and
Board Secretary

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing Resolution No. 2024-13 was duly adopted by the SOCWA Board of Directors at their Board Meeting held on the 12th day of December 2024 and that it was so adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: December 12, 2024

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

(Seal)

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing is a full, true, and correct copy of Resolution No. 2024-13 of said Board and that the same has not been amended or repealed.

Dated the 12th day of December 2024.

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

(Seal)

RESOLUTION NO. 2024-14

**A RESOLUTION OF COMMENDATION ADOPTED BY
THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**COMMENDATION TO DAVID REED FOR PROVIDING DEDICATED SERVICE TO
THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND THE RESIDENTS OF
SOUTHERN ORANGE COUNTY FOR THE PERIOD OF
NOVEMBER 2003 TO DECEMBER 2024**

WHEREAS: South Orange County Wastewater Authority (SOCWA) facilitates and manages the collection, transmission, treatment, reuse, and disposal of wastewater for more than 500,000 homes and businesses across South Orange County.

WHEREAS: David Reed began his twenty-one+ years of service to South Orange County Wastewater Authority (SOCWA) as a Maintenance Mechanic II. In 2008, promoted to Mechanic III. 2017, added the Co-Gen responsibilities and achieved the training to haul solids for the plants.

WHEREAS: During David's tenure with SOCWA, he has been an outstanding co-gen mechanic, supportive supervisor, and truck and crane driver. He has instilled a client-based attitude in working with the member agencies, asking staff to always remain helpful and have an attitude of service.

THEREFORE, BE IT RESOLVED that the Board of Directors of the South Orange County Wastewater Authority and on behalf of the member agencies of SOCWA does hereby commend David Reed for his dedicated 21 years of service and commitment to the mission of the South Orange County Wastewater Authority.

PASSED AND ADOPTED, AND SIGNED by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California, on the 12th day of December 2024.

(Seal)

Frank Ury, Board Chair

Amber Boone, Acting General Manager, and
Board Secretary

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing Resolution No. 2024-14 was duly adopted by the SOCWA Board of Directors at their Board Meeting held on the 12th day of December 2024 and that it was so adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: December 12, 2024

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

(Seal)

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing is a full, true, and correct copy of Resolution No. 2024-14 of said Board and that the same has not been amended or repealed.

Dated the 12th day of December 2024.

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

(Seal)

RESOLUTION NO. 2024-15

**A RESOLUTION OF COMMENDATION ADOPTED BY
THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**COMMENDATION TO JASON PROTOPAPPAS FOR PROVIDING DEDICATED SERVICE TO
THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND THE RESIDENTS OF
SOUTHERN ORANGE COUNTY FOR THE PERIOD OF
NOVEMBER 2003 TO DECEMBER 2024**

WHEREAS: South Orange County Wastewater Authority (SOCWA) facilitates and manages the collection, transmission, treatment, reuse, and disposal of wastewater for more than 500,000 homes and businesses across South Orange County.

WHEREAS: Jason Protopappas began his twenty-one+ years of service to South Orange County Wastewater Authority (SOCWA) as an Operator-in-Training. In 2011, went through the ranks up to Operator III. Then, in 2016, beginning his career as the Chief Plant Operator for the Coastal Treatment Plant, and soon after he became the Chief Plant Operator at the Regional Treatment Plant.

WHEREAS: During Jason's tenure with SOCWA, he has been a supportive supervisor for his staff, committed to the betterment and encouragement of their growth in knowledge and opportunity. Jason has always exhibited a fair-minded approach to each challenge. He has instilled a client-based attitude in working with the member agencies, asking staff to always remain helpful and have an attitude of service.

THEREFORE, BE IT RESOLVED that the Board of Directors of the South Orange County Wastewater Authority and on behalf of the member agencies of SOCWA does hereby commend Jason Protopappas for his dedicated 21 years of service and commitment to the mission of the South Orange County Wastewater Authority.

PASSED AND ADOPTED, AND SIGNED by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California, on the 12th day of December 2024.

(Seal)

Frank Ury, Board Chair

Amber Boone, Acting General Manager, and
Board Secretary

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing Resolution No. 2024-15 was duly adopted by the SOCWA Board of Directors at their Board Meeting held on the 12th day of December 2024 and that it was so adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: December 12, 2024

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

(Seal)

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing is a full, true, and correct copy of Resolution No. 2024-15 of said Board and that the same has not been amended or repealed.

Dated the 12th day of December 2024.

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

(Seal)

RESOLUTION NO. 2024-16

**A RESOLUTION OF COMMENDATION ADOPTED BY
THE BOARD OF DIRECTORS OF THE
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY**

**COMMENDATION TO JAMES RANAHAN FOR PROVIDING DEDICATED
SERVICE TO SOUTH ORANGE COUNTY WASTEWATER AUTHORITY AND THE
RESIDENTS OF SOUTHERN ORANGE COUNTY FOR THE PERIOD OF
JULY 1989 TO DECEMBER 2024**

WHEREAS: South Orange County Wastewater Authority (SOCWA) facilitates and manages the collection, transmission, treatment, reuse, and disposal of wastewater for more than 500,000 homes and businesses across South Orange County.

WHEREAS: James Ranahan began his thirty-five+ service years in 1989 with Moulton Niguel Water District (MNWD) as an Operator I. In 1992, MNWD was absorbed into Aliso Water Management Agency (AWMA), and in 2000, he was promoted to Operator II. In 2001, AWMA became South Orange County Wastewater Authority (SOCWA), and James was promoted to Operator III. Lastly, James succeeded in earning the position of Assistant Chief Operator in 2020.

WHEREAS: During James' tenure with SOCWA, he has been a supportive supervisor for his staff, also a committed trainer and mentor. James has been at SOCWA for many changes and has instilled a client-based attitude in working with the member agencies, asking staff to always remain helpful and have an attitude of service.

THEREFORE, BE IT RESOLVED that the Board of Directors of the South Orange County Wastewater Authority and on behalf of the member agencies of SOCWA does hereby commend Jason Protopappas for his dedicated 35 years of service and commitment to the mission of the South Orange County Wastewater Authority.

PASSED AND ADOPTED, AND SIGNED by the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY, County of Orange, State of California, on the 12th day of December 2024.

(Seal)

Frank Ury, Board Chair

Amber Boone, Acting General Manager, and
Board Secretary

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing Resolution No. 2024-16 was duly adopted by the SOCWA Board of Directors at their Board Meeting held on the 12th day of December 2024 and that it was so adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Dated: December 12, 2024

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

(Seal)

[illegible]

I, AMBER BOONE, Secretary of the Board of Directors of the SOUTH ORANGE COUNTY WASTEWATER AUTHORITY ("SOCWA"), do hereby certify that the foregoing is a full, true, and correct copy of Resolution No. 2024-16 of said Board and that the same has not been amended or repealed.

Dated the 12th day of December 2024.

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

(Seal)

**South Orange County Wastewater Authority
2025 Board Meeting Calendar (FINAL)**

January							February							March							April						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4							1							1			1	2	3	4	5
5	6	7	8	9	10	11	2	3	4	5	6	7	8	2	3	4	5	6	7	8	6	7	8	9	10	11	12
12	13	14	15	16	17	18	9	10	11	12	13	14	15	9	10	11	12	13	14	15	13	14	15	16	17	18	19
19	20	21	22	23	24	25	16	17	18	19	20	21	22	16	17	18	19	20	21	22	20	21	22	23	24	25	26
26	27	28	29	30	31		23	24	25	26	27	28		23	24	25	26	27	28	29	27	28	29	30			
														30	31												

May							June							July							August						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
				1	2	3										1	2	3	4	5					1	2	
4	5	6	7	8	9	10	1	2	3	4	5	6	7	6	7	8	9	10	11	12	3	4	5	6	7	8	9
11	12	13	14	15	16	17	8	9	10	11	12	13	14	13	14	15	16	17	18	19	10	11	12	13	14	15	16
18	19	20	21	22	23	24	15	16	17	18	19	20	21	20	21	22	23	24	25	26	17	18	19	20	21	22	23
25	26	27	28	29	30	31	22	23	24	25	26	27	28	27	28	29	30	31			24	25	26	27	28	29	30
							29	30													31						

September							October							November							December						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
	1	2	3	4	5	6				1	2	3	4							1		1	2	3	4	5	6
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29	28	29	30	31			
														30													

2025 Conference Dates:

CASA Winter Conference	January 29 – 31, 2025	Palm Springs, CA
AWWA/WEF Utility Mgmt. Conf	February 11 – 14, 2025	Dallas, TX
WaterReuse Symposium	March 16 – 19, 2025	Tampa, FL
CWEA Annual Conference	April 22 – 25, 2025	Palm Springs, CA
ACWA Spring Conference	May 13 – 15, 2025	Monterey, CA
CASA Annual Conference	July 30 – August 1, 2025	San Diego, CA
WEFTEC Annual Conference	Sept. 27 – Oct. 1, 2025	Chicago, IL
ACWA Fall Conference	December 2 – 4, 2025	San Diego, CA

 Board Meeting (8:30 a.m.) <i>(1st Thursday of the month)</i>	 Board Budget Workshop (8:30 a.m.) <i>(5/22/2025)</i>
 Finance Special Committee (10:30 a.m.) <i>(3rd Tuesday of the month)</i> <i>(Monthly meetings as directed on February 20, 2020)</i>	 Finance Special Committee (10:30 a.m.) <i>Special Budget Review Meetings:</i> <i>(3/4 & 18/2025, 4/15 & 29/2025)</i>
 Executive Regular Committee (9:00 a.m.) <i>2nd Monday in May & November</i> <i>(5/12/2025 & 11/10/2025)</i>	 Engineering Regular Committee (8:30 a.m.) <i>(2nd Thursday of the Month)</i>

SOCWA Meetings resumed in person as of November 3, 2022, at:
34156 Del Obispo Street, Dana Point, California
(A virtual Zoom link is available for all meetings unless otherwise notified)
Red numbered dates indicate SOCWA holidays and weekends.