

**NOTICE OF REGULAR MEETING  
OF THE  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY  
ENGINEERING COMMITTEE**

**April 11, 2024  
8:30 a.m.**

NOTICE IS HEREBY GIVEN that a Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee was called to be held on **April 11, 2024, at 8:30 a.m.** SOCWA staff will be present and conducting the meeting at the SOCWA Administrative Office located at 34156 Del Obispo Street, Dana Point, California.

THE SOCWA MEETING ROOM IS WHEELCHAIR ACCESSIBLE. IF YOU REQUIRE ANY SPECIAL DISABILITY RELATED ACCOMMODATIONS, PLEASE CONTACT THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY SECRETARY'S OFFICE AT (949) 234-5452 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING TO REQUEST SUCH ACCOMMODATIONS. THIS AGENDA CAN BE OBTAINED IN ALTERNATE FORMAT UPON REQUEST TO THE SOUTH ORANGE COUNTY WASTEWATER AUTHORITY'S SECRETARY AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE SCHEDULED MEETING. MEMBERS OF THE PUBLIC HAVE THE OPTION TO PARTICIPATE IN AND MAY JOIN THE MEETING REMOTELY VIA VIDEO CONFERENCE FOR VISUAL INFORMATION ONLY (USE ZOOM LINK BELOW) AND BY TELECONFERENCE FOR AUDIO PARTICIPATION (USE PHONE NUMBERS BELOW). THIS IS A PHONE-CALL MEETING AND NOT A WEB-CAST MEETING, SO PLEASE REFER TO AGENDA MATERIALS AS POSTED ON THE WEBSITE AT [WWW.SOCWA.COM](http://WWW.SOCWA.COM). ON YOUR REQUEST, EVERY EFFORT WILL BE MADE TO ACCOMMODATE PARTICIPATION. FOR PARTIES PARTICIPATING REMOTELY, PUBLIC COMMENTS WILL BE TAKEN DURING THE MEETING FOR ORAL COMMUNICATION IN ADDITION TO PUBLIC COMMENTS RECEIVED BY PARTIES PARTICIPATING IN PERSON. COMMENTS MAY BE SUBMITTED PRIOR TO THE MEETING VIA EMAIL TO ASSISTANT SECRETARY DANITA HIRSH AT [DHIRSH@SOCWA.COM](mailto: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 UN-MUTE 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 UN-MUTE 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 ENGINEERING COMMITTEE IN CONNECTION WITH A MATTER SUBJECT FOR DISCUSSION OR CONSIDERATION AT AN OPEN MEETING OF THE ENGINEERING COMMITTEE 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 ENGINEERING COMMITTEE 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 ENGINEERING COMMITTEE AND SENT TO ANY REMOTE PARTICIPANTS REQUESTING EMAIL DELIVERY OR POSTED ON SOCWA'S WEBSITE. IF SUCH WRITINGS ARE DISTRIBUTED IMMEDIATELY PRIOR TO, OR DURING, THE MEETING, THEY WILL BE AVAILABLE IN THE MEETING ROOM OR IMMEDIATELY UPON VERBAL REQUEST TO BE DELIVERED VIA EMAIL TO REQUESTING PARTIES PARTICIPATING REMOTELY.

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

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

Meeting ID: 853 0077 9055  
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Find your local number: <https://socwa.zoom.us/j/85300779055?pwd=ODZkdRUX9t3Rt>

AGENDA

1. Call Meeting to Order
2. Public Comments

*THOSE WISHING TO ADDRESS THE ENGINEERING COMMITTEE ON ANY ITEM LISTED ON THE AGENDA WILL BE REQUESTED TO IDENTIFY AT THE OPENING OF THE MEETING AND PRIOR TO THE CLOSE OF THE MEETING. THE AUTHORITY REQUESTS THAT YOU STATE YOUR NAME WHEN MAKING THE REQUEST IN ORDER THAT YOUR NAME MAY BE CALLED TO SPEAK ON THE ITEM OF INTEREST. THE CHAIR OF THE MEETING WILL RECOGNIZE SPEAKERS FOR COMMENT AND GENERAL MEETING DECORUM SHOULD BE OBSERVED IN ORDER THAT SPEAKERS ARE NOT TALKING OVER EACH OTHER DURING THE CALL.*

PAGE NO.

3. Approval of Minutes..... 1
  - Engineering Committee Minutes of March 14, 2024

**Recommended Action:** Staff requests that the Engineering Committee approve the subject Minutes as submitted.

4. Operations Report..... 5
- Recommended Action:** Information Item.

5. Draft Salt and Nutrient Management Plan [Project Committees 12]..... 6
- Recommended Action:** Information Item.

6. Capital Improvement Construction Projects Progress and Change Order Report (April) [Project Committees 2, 5, 15 and 24]..... 8
- Recommended Action:** Information Item.

7. Contract Award for Regional Treatment Plant (RTP) Flare System Upgrades [Project Committee 17]..... 12
- Recommended Action:** Staff recommends that the Engineering Committee recommend that the PC 17 Board approve the contract to SCS/RMC for a total not to exceed \$81,917 including a 10% contingency for the RTP Flare System Upgrades Project.

8. J.B. Latham Treatment Plant (JBL) Package B Update [Project Committee 2] ..... 20
- Recommended Action:** Information Item.

9. Capital Improvement Program (CIP) Budget Update ..... 21
    - Presentation
- Recommended Action:** Information Item.

Adjournment

I hereby certify that the foregoing Notice was personally emailed or mailed to each member of the SOCWA Engineering Committee at least 72 hours prior to the scheduled time of the Regular Meeting referred to above.

I hereby certify that the foregoing Notice was posted at least 72 hours prior to the time of the above-referenced Engineering Committee meeting at the usual agenda posting location of the South Orange County Wastewater Authority and at [www.socwa.com](http://www.socwa.com).

Dated this 4th day of April 2024.



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Danita Hirsh, Assistant Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

# Agenda Item

3

Engineering Committee Meeting

Meeting Date: April 11, 2024

**TO:** Engineering Committee  
**FROM:** Roni Grant, Associate Engineer  
**SUBJECT:** Approval of Minutes

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## Overview

Minutes from the following meeting are included for review and approval by the Engineering Committee:

- March 14, 2024

**Recommended Action:** Staff recommends that the Engineering Committee approve the Minutes as submitted.

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

**Engineering Committee**

**DRAFT**

**March 14, 2024**

The Regular Meeting of the South Orange County Wastewater Authority (SOCWA) Engineering Committee Meeting was held on March 14, 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	El Toro Water District [arrived @ 8:37 a.m./exited @ 10:22 a.m.]
DAVE LARSEN	Moulton Niguel Water District
DON BUNTS	Santa Margarita Water District [exited @ 9:53 a.m.]
MARC SERNA	South Coast Water District [exited @ 10:15 a.m.]
MIKE DUNBAR	Emerald Bay Service District

**Absent:**

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

**Staff Present:**

JIM BURROR	Acting General Manager/Director of Operations
RONI GRANT	Associate Engineer
MARY CAREY	Finance Controller
KONSTANTIN SHILKOV	Senior Accountant
ANNA SUTHERLAND	Accounts Payable
JACK BECK	Staff Accountant
MATT CLARKE	IT Administrator
DANITA HIRSH	Executive Assistant

**Also Present:**

ADRIANA OCHOA	Procopio Law
TARYN KJOLSING	South Coast Water District
MATT COLLINGS	Moulton Niguel Water District
SAUNDRA JACOBS	Santa Margarita Water District
DAVE JONES	Hazen & Sawyer
LISA HULETTE	Hazen & Sawyer
SHERRY WANNINGER	Moulton Niguel Water District

**1. Call Meeting to Order**

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

**2. Public Comments**

None.

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3. Approval of Minutes

- Engineering Committee Minutes of January 18, 2024.

ACTION TAKEN

A motion was made by Mr. Bunts and seconded by Mr. Dunbar to approve the Engineering Committee Minutes for January 18, 2024, as submitted.

Motion carried:	Aye 4, Nay 0, Abstained 0, Absent 3
	Mr. McAvoy            Absent
	Ms. Ford             Absent
	Mr. Dunbar          Aye
	Mr. Woods           Aye
	Mr. Bunts            Aye
	Mr. Serna            Aye
	Mr. Rebensdorf     Absent

4. Operations Report

Mr. Jim Burror, Acting General Manager/Director of Operations, reported on storm impacts, budget concerns, and odor costs at the treatment plants. He stated the recent facility improvement project caused some issues, leading to increased odor control costs and a need to switch to magnesium hydroxide. An open discussion ensued.

This was an information item; no action was taken.

5. Capital Improvement Construction Projects Progress and Change Order Report (February) [Project Committees 2, 5, 15 and 24]

ACTION TAKEN

A motion was made by Mr. Dunbar and seconded by Mr. Serna that the PC 15 Board approve Change Order 1 to Filanc to add 273 non-compensable days to the contract for the CTP Diffusers Replacement Project.

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

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

Ms. Lisa Huelette of Hazen & Sawyer presented funding strategies for the Coast Treatment Plant Resiliency and Water Quality Improvements. An open discussion ensued.

This was an information item; no action was taken.

7. Coastal Treatment Plant (CTP) Drainage Pump Station Conceptual Design  
[Project Committee 15]

Ms. Roni Grant gave an update stating the drainage pump station conceptual design had been transmitted for peer review. An open discussion ensued.

This was an information item; no action was taken.

8. J.B. Latham Treatment Plant (JBL) 2 Package B Update [Project Committee 2]

Mr. Burror reported that the PC 2 Board held a Closed Session to confer with Counsel and discuss the next steps for closing the project. He stated that he expects a proposal from Butier Engineering supporting SOCWA's efforts as directed by the PC 2 Board. An open discussion ensued.

This was an information item; no action was taken.

9. Capital Improvement Program (CIP) Budget Update

Mr. Burror provided an update on the Capital Improvement Program (CIP), which included a comprehensive review of the treatment plants' needs and current conditions and identifying potential future considerations. An open discussion ensued.

This was an information item; no action was taken.

Adjournment

There being no quorum for further business, Ms. Grant adjourned the meeting at 10:32 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 March 14, 2024, and approved by the Engineering Committee and received and filed by the Board of Directors of the South Orange County Wastewater Authority.

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Danita Hirsh, Assistant Board Secretary  
SOUTH ORANGE COUNTY WASTEWATER AUTHORITY

# Agenda Item

4

**Engineering Committee Meeting**

**Meeting Date:** April 11, 2024

**TO:** Engineering Committee

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

**SUBJECT:** Operations Report

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## Overview

Verbal update on operations and maintenance activities.

**Recommended Action:** Information Item.



# Agenda Item

5

Engineering Committee Meeting

Meeting Date: April 11, 2024

**TO:** Engineering Committee Members

**STAFF CONTACT:** Amber Boone, Director of Environmental Compliance

**SUBJECT:** Draft Salt and Nutrient Management Plan (Project Committee 12)

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## Summary

In 2018, the State Water Resources Control Board (SWRCB) adopted an amended *Water Quality Control Policy for Recycled Water* (Recycled Water Policy).<sup>1</sup> The updated 2018 Recycled Water Policy, which became effective on April 18, 2019, established revised requirements and directives governing:

- Statewide recycled water use goals.
- The roles of state agencies in encouraging and regulating recycled water use.
- The development of Salt and Nutrient Management Plans (SNMPs) and the Regional Water Quality Control Board (RWQCB) review and approval of SNMPs.
- Permitting and antidegradation requirements for non-potable recycled water use projects and groundwater recharge projects.
- Permitting requirements for surface water augmentation projects.
- Updated monitoring requirements for Constituents of Emerging Concern (CECs).

SOCWA utilized the above goals, where pertinent, and incorporated these requirements into the 2024 SNMP. SOCWA collaborated with the San Diego Regional Water Quality Control Board (SDRWQCB) staff members on key elements in an iterative fashion over the previous three years. SOCWA also worked with key stakeholders to develop this final draft of the SNMP.

## Results

SOCWA is the lead agency for the development of the SNMP. SOCWA works on behalf of members of Project Committee 12 (PC12), which includes Santa Margarita Water District (SMWD), Moulton Niguel Water District (MNWD), and South Coast Water District (SCWD). Trabuco Canyon Water District (TCWD) is also a water agency stakeholder due to previous membership in SOCWA and through a shared services agreement between SOCWA and TCWD. SOCWA is submitting this draft final through the Engineering Committee to start the open public

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<sup>1</sup> The original Recycled Water Policy was established by the SWRCB in 2009 (SWRCB Resolution No. 2009-011). An amendment to the Recycled Water Policy that addressed the monitoring of constituents of emerging concern (CECs) was adopted by the SWRCB (Resolution No. 2013-0003) in 2013. The 2018 amendments to the Recycled Water Policy (Resolution No. 2018-0057) were adopted by the SWRCB on December 11, 2018, and in part established detailed procedures for the development and approval of SNMPs. The 2018 Recycled Water Policy amendments became effective on April 8, 2021.

comment period for engagement with stakeholders not within the SOCWA PC12 member agencies.

The SNMP is organized into the following sections:

- Executive Summary
- Section 1: Introduction
- Section 2: Background and Planning
- Section 3: SNMP Area
- Section 4: Water Quality Characterization
- Section 5: Management Strategies
- Section 6: Modeling Salt Transport
- Section 7: Antidegradation
- Section 8: Conclusions and Recommendations

PC12 and members of the public should download a copy of the section utilizing the following link: <https://bit.ly/SNMP2024>

SOCWA staff requests that comments be submitted through the track changes feature in Word or through a summary of comments submitted to [aboone@socwa.com](mailto:aboone@socwa.com) by the close of business on May 6, 2024. SOCWA staff will submit the SNMP to the SDRWQCB staff upon completion of the comment period.

**Recommended Action:** Information Item.

# Agenda Item

# 6

Engineering Committee

Meeting Date: April 11, 2024

**TO:** Engineering Committee

**FROM:** Roni Grant, Associate Engineer

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

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## Overview

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

## Project Updates

### JBL Centrate Line Upgrades

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

### CTP Diffusers Replacement

The NTP has been issued to Filanc. Staff is working with the contractor to start the project around April/May 2024.

### Aliso Creek and San Juan Creek Ocean Outfalls Ballast Maintenance

The NTP has been issued to Subsea Global Solutions. The contractor will start the project around mid-April 2024.

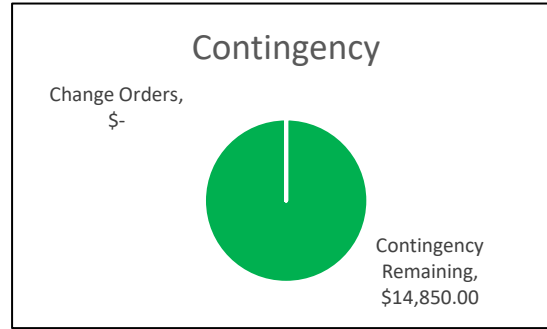
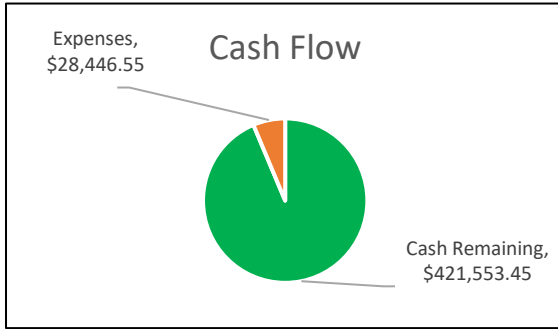
**Recommended Action:** Information Item.

**Project Financial Status**

**Data Last Updated**

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

April 4, 2024
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**Cash Flow**

Collected	\$ 450,000.00
Expenses	\$ 28,446.55

**Project Completion**

Schedule	10%
Budget	13%

**Contracts**

Company	PO No.	Original	Change Orders*	Total	Costs to Date
S&S Mechanical	19635	\$ 148,455.00		\$ 148,455.00	
Kleinfelder	14234	\$ 71,374.00	\$ -	\$ 71,374.00	\$ 6,486.25
SOCWA Staff Time	3234	\$ -	\$ -	\$ -	\$ 21,960.30
		<b>\$ 219,829.00</b>	<b>\$ -</b>	<b>\$ 219,829.00</b>	<b>\$ 28,446.55</b>

*\*Values include change orders to be reviewed by Engineering Committee*

**Contingency**

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

*\*Values include change orders to be reviewed by Engineering Committee*

**Change Orders**

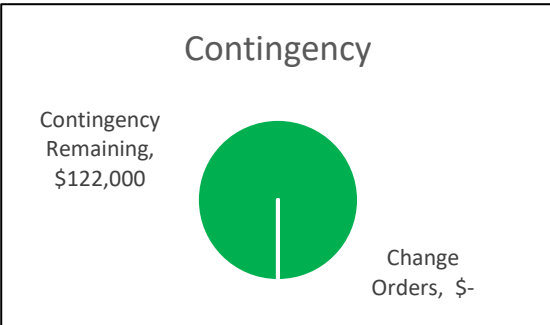
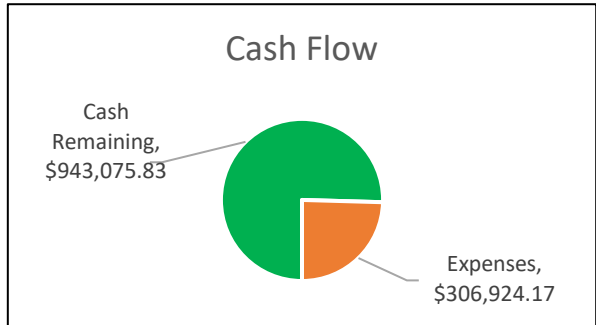
Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
						\$ -

**Project Financial Status**

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

**Data Last Updated**

April 4, 2024



**Cash Flow**

Collected	\$ 1,250,000.00
Expenses	\$ 306,924.17

**Project Completion**

Schedule	20%
Budget	22%

**Construction Contracts**

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Filanc	19640	\$ 1,022,250.00			\$ 1,022,250.00	\$ 25,887.50
EDI	16620	\$ 250,490.00			\$ 250,490.00	\$ 250,490.00
Hazen	17256/19641	\$ 93,578.00			\$ 93,578.00	\$ 2,250.00
SOCWA Staff Time	35228L				\$ -	\$ 28,296.67
		<b>\$ 1,366,318.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,366,318.00</b>	<b>\$ 306,924.17</b>

*\*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%
		<b>\$ 122,000.00</b>	<b>\$ -</b>	<b>\$ 122,000.00</b>	<b>0.0%</b>

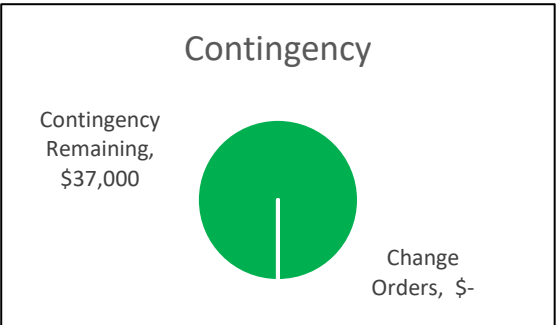
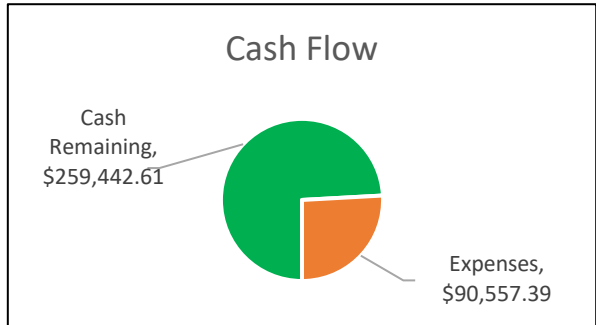
Change Order No.	Vendor Name	Project ID	Description	Status Date	Days	Amount
1	Filanc	35228L	Contract Extension	4/4/2024	273	\$ -
						<b>\$ -</b>

**Project Financial Status**

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

**Data Last Updated**

April 4, 2024



**Cash Flow**

Collected	\$ 350,000.00
Expenses	\$ 90,557.39

**Project Completion**

Schedule	20%
Budget	24%

**Construction Contracts**

Company	PO No.	Original	Change Orders	Amendments	Total	Costs to Date
Subsea Global	19944	\$ 370,000.00			\$ 370,000.00	\$ 84,157.53
SOCWA Staff Time	36241O/34241O				\$ -	\$ 6,399.86
		<b>\$ 370,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 370,000.00</b>	<b>\$ 90,557.39</b>

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

**Construction Contingency**

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

**Change Orders**

						<b>\$ -</b>

# Agenda Item

# 7

**Engineering Committee Meeting**

**Meeting Date:** April 11, 2024

**TO:** Engineering Committee

**FROM:** Roni Grant, Associate Engineer

**SUBJECT:** Contract Award for Regional Treatment Plant (RTP) Flare System Upgrades  
[Project Committee 17]

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## Overview

The Regional Treatment Plant (RTP) waste gas burners were part of the 1984 construction. During the recent quarterly safety inspection, staff expressed safety concerns about the reliability of the pilot lights. This is because the pilot light recently went out during windy conditions. The staff could not relight the pilots automatically and had to relight them manually. The manual relighting required staff to have an open flame on a long pole in high wind conditions. The Director of Operations has deemed this unsafe upon review. In addition, methane gas venting must be resolved promptly under SOCWA's SCAQMD permit.

The project scope of work includes the following:

- Install one electrical 1/2-inch stainless steel solenoid valve on the back pressure regulator line, a manual bypass line, and a shutoff valve.
- Install two 1/2-inch electric stainless steel solenoid valves to control the pilot gas on each flare.
- Install 20 feet of 1/2-inch stainless steel natural gas line and fittings to each flare system.
- Install two 1-inch electrical conduits from the existing control panel to the flare control cabinets.
- Startup and testing.

SOCWA staff obtained quotes from SCS field Services/remote Monitoring and Control (RMC), Kingmen Construction (Kingmen) and DC Frost Associates (DC Frost)/Coombs-Hopkins Company (Varec flare system representative) and received two quotes from SCS and Kingmen, DC Frost declined to propose. The quote from SCS is \$74,470, and the quote from Kingmen is \$90,076. DC Frost Associates declined to bid.

## Cost Allocation

The quote from SCS/RMC is \$74,470 for the RTP Flare System Upgrades. Staff is requesting a 10% contingency in the amount of \$7,447 for a total of \$81,917 to account for potential unknowns during the installation of the conduits. Table 1 shows the allocation of costs by member agency.

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Table 1 – Cost Allocation by Member Agency with the 10% Contignecy

<b>Agency</b>	<b>Cost</b>
City of Laguna Beach	\$9,191.09
Emerald Bay Service District	\$483.31
El Toro Water District	\$16,719.26
Moulton Niguel Water District	\$48,183.58
South Coast Water District	\$7,339.76
Total	\$81,917.00

The FY23/24 budget for Project 37245S (Digester Gas System Improvements) is \$200,000.

**Recommended Action:** Staff recommends that the Engineering Committee recommend that the PC 17 Board i) Approve a contract to SCS/RMC for a total not to exceed \$74,470 and ii) Approve a 10% contingency of \$7,447 for the RTP Flare System Upgrades Project.





**BID PROPOSAL**

CONTRACTORS LICENSE # 871868

DIR #1000057502

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**PROJECT:** SOCWA – RTP Flare Upgrades

**REVISION:** 1

**DATE:** March 22, 2024

**TO:** South Orange County Wastewater Authority (“Owner”)

**ATTENTION:** Roni Young

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Kingmen Construction, Inc. (“Kingmen”) is pleased to submit this proposal for the above referenced project to South Orange County Wastewater Authority (“Owner”).

**PLANS AND SPECIFICATIONS PROVIDED:**

1. NA

**CONSTRUCTION SCOPE OF WORK:**

Kingmen is pleased to present this proposal to deliver all materials, labor and equipment required to perform the work described herein in the amount of **\$90,076.00**

1. Furnish and install (1) Stack-Match 5’-0” Hot-Rod Pilot with Flame Detection (Part #5HR-FD-SN-TS)
2. Furnish and install (1) Stack-Match Control Module in existing PLC Cabinet (Part #NEPAD-5-AC-TS)
3. Furnish and install ½” stainless steel pipe, fittings, and (2) electric solenoid valves from existing regulator to Flare
4. Furnish and install ½” stainless steel pipe, fittings, and (1) manual valve for bypass line
5. Furnish and install conduits, wire, and terminations from PLC to Flare structure for power and control of (1) Stack-Match system including conduit supports.
6. Furnish and install conduits, wire, and terminations from PLC to existing regulator for power to (2) electric solenoid valves including conduit supports.
7. CAD detailing to be provided including (1) revision for owner changes.
8. Startup and testing

**ADD/ALT #1:** Stack-Match startup support: \$3,200.00 (\$1,700.00 standard costs plus \$1,500.00 for travel)

**BID SCOPE INCLUSIONS AND CONDITIONS:**

1. Notice of Award shall be issued by April 15, 2024 with all work completed by June 30, 2024. (If work occurs after June 30<sup>th</sup>, 2024, price will be increased by \$1,275.00)
2. Stainless steel piping to be installed at existing regulator
3. Conduit to be surface mounted from PLC to v-ditch
4. Conduit to be direct buried between v-ditch and flare structure (no encasement or bedding)
5. Includes the following Stack-Match components for installation
  - a. (1) Coalescing Filter Assembly (Part #CFA-01)

- b. (1) Coalescing Filter Block & Bleed Kit (Part #CFA-BBK)
- c. (2) Pressure Guage 0-60 PSI
- 6. Stack-Match control module to be installed in existing PLC cabinet with no requirement for control conduit or control wiring to flare structure. Assumes power in existing PLC cabinet for control module.
- 7. Material Clarifications
  - a. Conduits are ¾" PVC coated
  - b. Solenoid valves are AZCO Redhat Series 8210

**SCOPE EXCLUSIONS:**

The following items are excluded from Kingmen's proposal/scope:

- 1. Payment and performance bonds
- 2. Engineering and stamping of drawings; Kingmen is proposing system as specified by SOCWA
- 3. Clearing work site; we will require the work site to clear
- 4. Domestic or Buy American restrictions
- 5. Onsite toilets and handwash stations for field crews. KCI will use SOCWA toilets onsite as we currently do while onsite. If this is not acceptable, Kingmen can provide a facility for \$500.00.
- 6. No painting or coating of any type. All metal (equipment support and pipe supports) is unfinished and uncoated
- 7. Plan check processing, local JHA building inspection fees, permits of any kind
- 8. Existing slab or wall evaluations/calculations, engineering, modifications, or repairs
- 9. Abatement or removal of asbestos, lead, or other hazardous materials
- 10. OSHA 10-hour certification for onsite field staff
- 11. SWPPP/BMP
- 12. Temporary fencing, site security, or full-time safety officer
- 13. Cost of construction water supply or disposal. It is assumed that water is available onsite
- 14. Construction power. It is assumed power is available onsite and temporary power will not need to be established
- 15. 3<sup>rd</sup> party inspection, special inspections, weld inspections and/or QA/QC and associated delays
- 16. Acceleration and/or overtime (it is assumed all work will be performed during normal working hours)
- 17. Builders Risk Insurance
- 18. City noise ordinances or limiting sound from construction site
- 19. Survey, BIM, or potholing

Kingmen Construction, Inc, thanks you in advance for the opportunity to team with you on this exciting venture. Should you have any questions please do not hesitate to contact me directly on my mobile at 951.830.3127 or in the office at 909.529.1747.

Best Regards,



Neil Nehmens  
President/CEO

March 22, 2024



Kingman Construction Inc.  
4200 Chino Hills Parkway  
Suite 135/221  
Chino Hills, CA 91709

Attention: Kristina De La Torre  
Phone: 909-529-1747  
E-Mail: [kdelatorre@kingmanconstruction.com](mailto:kdelatorre@kingmanconstruction.com)

SM Reference: **NAB03182024-REV2 Kingman Construction**

Thank you for your interest in Stackmatch Flare Ignition, Inc. We appreciate the opportunity to submit our proposal for your consideration:

### **List of Equipment in Quotation**

Item	Qty.	P/N:	Description	Price Ea	Total
1	1	5HR-FD-SN-TS	5'-0" Hot-Rod Pilot w/ Flame Detection, & 10'-0" S.S. Flex (Pilot Gas Natural Gas)	\$6,000.00	\$6,000.00
2	1	NEPAD-5-AC-TS	Ignition & Flame Detection Control (12-24 VDC)	\$3,300.00	\$3,300.00
3	1	CFA-01	Coalecing Filter Assembly	\$750.00	\$750.00
4	1	CFA-BBK	Coalecing Filter Block & Bleed Kit	\$425.00	\$425.00
5	2	PG-1	Pressure Gauge (0-60 PSIG)	\$100.00	\$200.00
6	150 Ft.	SM-18-IFD-G	Interconnecting Wire	\$4.00/ Ft.	\$600.00
				<b>Total</b>	<b>\$11,275.00</b>

**Estimated Ground Shipping Cost: \$700.00 via SAIA**

**Estimated Travel: \$1,500.00 (Airfare and Car Rental) Price is subject to change.**

#### **On-Site Technical Supervision for Installation and Start-Up**

On-Site Technical Supervision Standard Cost is **\$1,700.00** per person per day from the time our Stackmatch representative departs home base and returns to home base straight away. Standard cost includes time-on-site, hotel & meals.

Forms of travel, such as Air & Rental Car, are not included in the above standard cost and are additional.

Stackmatch does not provide hands-on labor or any tools, other than a specific piece of test equipment that may be required to troubleshoot one of our pilot systems.

**Note:** As possible, schedule supervision at least two weeks before an on-site requirement.

## COMMERCIAL TERMS

1. All pricing contained herein is based on and contingent upon the attached **(STANDARD TERMS AND CONDITIONS OF SALES)** made part of this quotation.
2. Prices Quoted will remain valid for Ninety (90) Days.
3. Customer installation drawings are enclosed with each shipment.
4. Normal delivery (4) weeks after receipt of purchase order.
5. Expedited delivery is available upon request.

Respectfully,

Nick Bustos

Ph: 972-578-7631

Fax: 972-881-9324

E-Mail: [Nick@Stackmatch.com](mailto:Nick@Stackmatch.com)

February 14, 2024  
RMC Work Order No.: 1586.1

Roni Young Grant, PMP  
Associate Engineer  
South Orange County Wastewater Authority  
34156 Del Obispo St  
Dana Point, CA 92629

Subject: Proposal for Flare #1 Maintenance Modifications

To Ms. Grant:

The Remote Monitoring and Control (RMC) group is happy to provide this proposal to provide maintenance modifications for Flare #1 at the South Orange County Regional (SOCWA) Treatment Facility, located at 2920 La Paz Rd, Laguna Niguel, CA 92677 . The scope of work and estimated costs for completing this project is summarized below.

## SCOPE OF WORK

SCS RMC will purchase and install one (1) Flare Ignition & Flame Detection Control System to provide auto and manual operation of Flare #1 located at the SOCWA Regional Facility. The following specifications will be provided as a part of our scope:

- Install one (1) Electric 1/2-inch Stainless Steel Solenoid Valve located on the S&J Single Port Back Pressure Regulator line. A manual bypass line and hand valve will be installed for emergency override in the event of a power outage.
- Install one (1) 1/2" Electric Stainless Steel Solenoid Valves to control the pilot gas at Flare #1.
- Install 20 ft. of 316 stainless steel 1/2-inch natural gas line pipe and fittings to Flare #1 pilot Ignition system.
- Install one (1) Flare Ignition & Flame Detection Control System to provide auto and manual operation of Flare # 1.
- Install two (2) 1" Stainless Steel Electrical Conduits (98') from the existing SCADA control panel to the existing Flare Control Cabinets.
- Start up and testing will be performed upon completion to confirm functionality.



FEE

SCS will provide the above scope of work for a Lump Sum cost of \$74,240. See Cost Breakdown, below.

Item	Qty	Unit	Cost	Shipping	Tax (7.75%)	Markup (15%)	Total (USD)
Fabrication, Piping, welding, misc material (Robinson Industrial)	1	LS	\$24,857		\$ 1,926.42	\$ 4,017.51	\$ 30,800.93
Ignition and flame detection system hardware	1	LS	\$10,975	\$1,646	\$978	\$ 2,039.91	\$ 15,639.31
1/2" 3-way SS Solenoid Valve	1	Ea	\$870	\$20	\$ 68.98	\$ 143.85	\$ 1,102.82
1/2" SS Solenoid Valve	1	Ea	\$ 870.00	\$ 50.00	\$ 71.30	\$ 148.70	\$ 1,140.00
Misc Wiring and electrical conduit	1	LS	\$ 6,848.00	\$ 200.00	\$ 546.22	\$ 1,139.13	\$ 8,733.35
Project Management (design, spec, coordination, and QAQC)	16	Hr	\$ 260.00				\$ 4,160.00
Electrical Services (Simpro)	1	LS	\$ 9,672.00		\$ 749.58	\$ 1,042.16	\$ 11,463.74
Contract Management (Acquisitions, deliveries, documentation)	6	Hr	\$ 200.00				\$ 1,200.00
<b>Grand Total:</b>							<b>\$ 74,240.14</b>

CLOSING

We greatly appreciate the opportunity to provide this proposal to you, and we are looking forward to working with you on it and future projects. Please contact Phil at (909) 562-2824 or Melissa Russo at (562) 714-7668 with any questions or comments. We hope to hear from you soon.

Sincerely,



Melissa Russo  
 Business Manager, SCS RMC  
  
 SCS Engineers



Philip Carrillo  
 National RMC Director, SCS  
 RMC  
 SCS Engineers

# Agenda Item

8

**Engineering Committee Meeting**

**Meeting Date:** April 11, 2024

**TO:** Engineering Committee

**FROM:** Jim Burror, Acting General Manager/Director of Operations  
Roni Grant, Associate Engineer

**SUBJECT:** J.B. Latham Treatment Plant (JBL) Package B Update [Project Committee 2]

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## Overview

SOCWA has been working with Butier and Procopio to address any outstanding items to close out the construction contract. SOCWA staff will continue to update the committee as new information becomes available.

**Recommended Action:** Information Item.

# Agenda Item

9

**Engineering Committee Meeting**

**Meeting Date:** April 11, 2024

**TO:** Engineering Committee

**FROM:** Jim Burror, Acting General Manager/Director of Operations  
Roni Grant, Associate Engineer

**SUBJECT:** Capital Improvements Program (CIP) Budget Update

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## Overview

Updated presentation materials will be presented at the Engineering Committee meeting.

**Recommended Action:** Information Item.





# SOCWA Draft CIP Budget - Updated

April 11, 2024

Agenda Item 10

# FY24-25 Summary

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FY24-25 Cash Requests(1)	Current Project Phase
\$6,181,648	In construction/implementation
\$737,204	In design
\$804,718	Planned FY24-25 start
\$2,012,000	Planned small capital
\$302,000	Non-cap studies
\$10,037,570	Total FY24-25 Budget

(1) Does not include ongoing project cash balances from prior Fiscal Years.

# Current FY24-25 Versus FY24-25 Planned in FY23-24

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	FY24-25 Budget From FY23-24 Budget Book	Proposed FY24-25 Budget	Delta from Budget for FY24-25
Planned Cash Request	\$17,788,000	\$10,037,570	(\$7,750,430)

# Current FY24-25 Versus FY24-25 Planned in FY23-24

Member Agency	Proposed FY24-25 Cash Request	FY24-25 Cash Request for FY23-24	Delta
CLB	\$915,208	\$2,209,718	(\$1,294,510)
CSC	\$1,662	\$174,511	(\$172,849)
EBSD	\$68,724	\$162,907	(\$94,183)
ETWD	\$269,944	\$910,962	(\$641,018)
IRWD (c/o ETWD)	\$46,999	\$202,123	(\$155,124)
MNWD	\$3,425,366	\$7,131,702	(\$3,706,336)
SCWD	\$2,209,426	\$3,453,944	(\$1,244,518)
SMWD	\$3,100,242	\$3,542,133	(\$441,891)
Total	\$10,037,572	\$17,788,000	(\$7,750,428)

# Ten Year CIP Update Summary Updated

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- Excel spreadsheet provided to member agencies for review of the program
- Pdf's of key sheets in Engineering Committee packets
- Individual meetings to review CIP being setup

# Draft CIP Budget Summary Updated

	FY 2024/2025	FY 2025/2026	Total
Large Capital	\$ 7.73 MM	\$ 13.53 MM	\$ 21.26 MM
Non & Small Cap	\$ 2.31 MM	\$ 2.74 MM	\$ 5.05 MM
<b>Total</b>	<b>\$ 10.34 MM</b>	<b>\$ 16.27 MM</b>	<b>\$ 26.31 MM</b>

# Capital Budget by PC and Agency Updated

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PC	Facility	FY 2024/25	FY 2025/26	Total
PC-2	JBL	\$5,895,547	\$8,136,280	\$14,031,827
PC-5	SJCOO	\$10,000	\$190,000	\$200,000
PC15	CTP	\$2,073,000	\$3,634,151	\$5,707,151
PC-17	RTP	\$1,907,393	\$4,033,956	\$5,941,349
PC-21	ETM	\$96,632	\$149,292	\$245,924
PC-24	ACOO	\$55,000	\$125,000	\$180,000
Total		\$10,037,572	\$16,268,678	\$26,306,250

# Capital Budget by PC and Agency Updated

Member Agency	FY 2024/25	FY 2025/26	Total
Laguna Beach	\$915,208	\$1,455,155	\$2,370,363
San Clemente	\$1,662	\$31,578	\$33,240
Emerald Bay SD	\$68,724	\$112,738	\$181,462
El Toro WD	\$269,944	\$170,571	\$440,515
IRWD (c/o ETWD)	\$46,999	\$54,470	\$101,469
Moulton Niguel WD	\$3,425,366	\$6,818,627	\$10,243,993
South Coast WD	\$2,209,426	\$3,043,748	\$5,253,174
Santa Margarita WD	\$3,100,242	\$4,581,791	\$7,682,033
Total	\$10,037,572	\$16,268,678	\$26,306,250



# Budget Schedule

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- Feb 23 - Draft 10 Year Spending Plan released
- **March 14 to 28 (next 2 weeks) – Budget Review Meetings**
  - Staff are available to meet to discuss your comments, questions, and concerns with the budget.
- April 11 – Revised budget presentation to Engineering Committee
- April 16 – Finance Committee Budget Review Meeting
- TBD – Board Budget Workshop
- TBD – Board Meeting (Budget Consideration for Approval)



# Discussion & Questions